

## PRODUCT CATALOG



Devices, Inc.

## PLANAR POWER TRANSISTORS

## 5 AMP NPN

| DEVICE TYPE | V <sub>CEO</sub> (V) | h <sub>FE</sub> MIN/MAX | @ I <sub>C</sub> (A) | V <sub>CE</sub> (sat) MAX (V) | @ I <sub>C</sub> (A) | f <sub>T</sub> MIN (MHz) | P <sub>T</sub> MAX (W) | CASE TYPE | CHIP TYPE |
|-------------|----------------------|-------------------------|----------------------|-------------------------------|----------------------|--------------------------|------------------------|-----------|-----------|
| 2N2657      | 60                   | 40/120                  | 1.0                  | 0.50                          | 1.0                  | 20.0                     | 4.0*                   | TO-5      | 184       |
| 2N2658      | 80                   | 40/120                  | 1.0                  | 0.50                          | 1.0                  | 20.0                     | 4.0*                   | TO-5      | 184       |
| 2N2877      | 60                   | 20/60                   | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 30.0*                  | TO-111    | 184       |
| 2N2878      | 60                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 50.0                     | 30.0*                  | TO-111    | 184       |
| 2N2879      | 80                   | 20/60                   | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 30.0*                  | TO-111    | 184       |
| 2N2880      | 80                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 50.0                     | 30.0*                  | TO-111    | 184       |
| 2N2890      | 80                   | 30/90                   | 1.0                  | 0.50                          | 1.0                  | 30.0                     | 5.0                    | TO-5      | 191       |
| 2N2891      | 80                   | 50/150                  | 1.0                  | 0.75                          | 2.0                  | 30.0                     | 5.0                    | TO-5      | 191       |
| 2N3744      | 40                   | 20/60                   | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3745      | 60                   | 20/60                   | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3746      | 80                   | 20/60                   | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3747      | 40                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3748      | 60                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3749      | 80                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3750      | 40                   | 100/300                 | 1.0                  | 0.25                          | 1.0                  | 50.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3751      | 60                   | 100/300                 | 1.0                  | 0.25                          | 1.0                  | 50.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3752      | 80                   | 100/300                 | 1.0                  | 0.25                          | 1.0                  | 50.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3996      | 80                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3997      | 80                   | 80/240                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111/I  | 184       |
| 2N3998      | 80                   | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111    | 184       |
| 2N3999      | 80                   | 80/240                  | 1.0                  | 0.25                          | 1.0                  | 40.0                     | 30.0*                  | TO-111    | 184       |
| 2N4111      | 60                   | 40/120                  | 2.0                  | 0.60                          | 2.0                  | 50.0                     | 37.5                   | TO-3      | 184       |
| 2N4112      | 60                   | 100/300                 | 2.0                  | 0.60                          | 2.0                  | 60.0                     | 37.5                   | TO-3      | 184       |
| 2N4113      | 80                   | 40/120                  | 2.0                  | 0.60                          | 2.0                  | 50.0                     | 37.5                   | TO-3      | 184       |
| 2N4150      | 70                   | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 15.0                     | 5.0*                   | TO-5      | 185       |
| 2N4305      | 80                   | 50/150                  | 1.0                  | 1.00                          | 5.0                  | 40.0                     | 11.0                   | TO-5      | 184       |
| 2N4307      | 60                   | 50/150                  | 1.0                  | 1.00                          | 5.0                  | 40.0                     | 11.0                   | TO-5      | 184       |
| 2N4309      | 80                   | 50/150                  | 1.0                  | 1.40                          | 5.0                  | 40.0                     | 11.0                   | TO-5      | 184       |
| 2N4311      | 60                   | 40/120                  | 1.0                  | 1.40                          | 5.0                  | 40.0                     | 11.0                   | TO-5      | 184       |
| 2N4395      | 40                   | 50/170                  | 2.0                  | 0.80                          | 4.5                  | 4.0                      | 62.5                   | TO-3      | 177       |
| 2N4396      | 60                   | 40/170                  | 2.0                  | 0.80                          | 4.5                  | 4.0                      | 62.5                   | TO-3      | 177       |
| 2N4895      | 60                   | 40/120                  | 2.0                  | 1.00                          | 5.0                  | 50.0                     | 4.0*                   | TO-39     | 184       |
| 3N4896      | 60                   | 100/300                 | 2.0                  | 1.00                          | 5.0                  | 60.0**                   | 4.0*                   | TO-39     | 184       |
| 2N4897      | 80                   | 40/120                  | 2.0                  | 1.00                          | 5.0                  | 50.0                     | 4.0*                   | TO-39     | 184       |
| 2N4913      | 40                   | 25/100                  | 2.5                  | 0.75                          | 2.5                  | 4.0                      | 88.0                   | TO-3      | 116       |
| 2N4914      | 60                   | 25/100                  | 2.5                  | 0.75                          | 2.5                  | 4.0                      | 88.0                   | TO-3      | 116       |
| 2N4915      | 80                   | 25/100                  | 2.5                  | 0.75                          | 2.5                  | 4.0                      | 88.0                   | TO-3      | 116       |
| 2N5002      | 80                   | 30/90                   | 2.5                  | 0.75                          | 2.5                  | 50.0**                   | 58.0                   | TO-59     | 184       |
| 2N5004      | 80                   | 70/200                  | 2.5                  | 0.75                          | 2.5                  | 60.0**                   | 58.0                   | TO-59     | 184       |
| 2N5237      | 120                  | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 25.0                     | 5.0*                   | TO-5      | 185       |
| 2N5238      | 170                  | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 25.0                     | 5.0*                   | TO-5      | 185       |
| 2N5284      | 100                  | 30/90                   | 2.5                  | 0.75                          | 2.5                  | 40.0**                   | 58.0                   | TO-59     | 185       |
| 2N5285      | 100                  | 70/120                  | 2.5                  | 0.75                          | 2.5                  | 50.0**                   | 58.0                   | TO-59     | 185       |
| 2N5336      | 80                   | 30/120                  | 2.0                  | 1.20                          | 5.0                  | 30.0                     | 6.0                    | TO-39     | 184       |
| 2N5337      | 80                   | 60/240                  | 2.0                  | 1.20                          | 5.0                  | 30.0                     | 6.0                    | TO-39     | 184       |
| 2N5338      | 100                  | 30/120                  | 2.0                  | 1.20                          | 5.0                  | 30.0                     | 6.0                    | TO-39     | 184       |
| 2N5339      | 100                  | 60/240                  | 2.0                  | 1.20                          | 5.0                  | 30.0                     | 6.0                    | TO-39     | 184       |
| 2N5541      | 130                  | 30/90                   | 5.0                  | 0.60                          | 5.0                  | 20.0                     | 5.0*                   | TO-5      | 185       |
| 2N5606      | 60                   | 70/200                  | 2.5                  | 0.75                          | 2.5                  | 60.0**                   | 25.0                   | TO-66     | 184       |
| 2N5608      | 80                   | 30/90                   | 2.5                  | 0.75                          | 2.5                  | 50.0**                   | 25.0                   | TO-66     | 184       |

\*T<sub>C</sub> = 100°C \*\*Exception to JEDEC



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002763 9

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

## 5 AMP NPN

[continued]

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| 2N5610         | 80                      | 70/200                     | 2.5                        | 0.75                             | 2.5                        | 60.0**                      | 25                        | TO-66        | 184          |
| 2N5612         | 100                     | 30/90                      | 2.5                        | 0.75                             | 2.5                        | 50.0**                      | 25                        | TO-66        | 184          |
| 2N5614         | 60                      | 70/200                     | 2.5                        | 0.75                             | 2.5                        | 60.0**                      | 58                        | TO-3         | 185          |
| 2N5616         | 80                      | 30/90                      | 2.5                        | 0.75                             | 2.5                        | 50.0**                      | 58                        | TO-3         | 184          |
| 2N5618         | 80                      | 70/120                     | 2.5                        | 0.75                             | 2.5                        | 60.0**                      | 58                        | TO-3         | 184          |
| 2N5620         | 100                     | 30/90                      | 2.5                        | 0.75                             | 2.5                        | 5.0**                       | 58                        | TO-3         | 184          |
| 2N5729         | 80                      | 30/300                     | 2.0                        | 1.50                             | 5.0                        | 30.0                        | 11                        | TO-5         | 184          |
| BU207          | 600                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 4.0(TYP)                    | 56                        | TO-3         | 118          |
| BU208          | 700                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 4.0(TYP)                    | 56                        | TO-3         | 118          |
| SDT430         | 300                     | 15/45                      | 2.5                        | 0.90                             | 2.5                        | 4.0(TYP)                    | 125                       | TO-3         | 142          |
| SDT431         | 325                     | 15/45                      | 2.5                        | 0.70                             | 2.5                        | 4.0(TYP)                    | 125                       | TO-3         | 142          |
| SDT802         | 750                     | 2.5                        | 3.5                        | —                                | —                          | 1.5                         | 60                        | TO-3         | 118          |
| SDT804         | 800                     | 2.5                        | 3.5                        | —                                | —                          | 1.5                         | 60                        | TO-3         | 118          |
| SDT812         | 900                     | 2.2                        | 3.5                        | —                                | —                          | 1.5                         | 60                        | TO-3         | 118          |
| SDT814         | 900                     | 2.2                        | 3.5                        | —                                | —                          | 1.5                         | 60                        | TO-3         | 118          |
| SDT1611        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1612        | 60                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1613        | 80                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1614        | 100                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1615        | 125                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1616        | 150                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1617        | 175                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1618        | 200                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1621        | 40                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1622        | 60                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1623        | 80                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1624        | 100                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1625        | 125                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1626        | 150                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1627        | 175                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1628        | 200                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1631        | 40                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1632        | 60                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1633        | 80                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1634        | 100                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1635        | 125                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1636        | 150                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1637        | 175                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1638        | 200                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 105                       | TO-3         | 116          |
| SDT1641        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1642        | 60                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1643        | 80                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1644        | 100                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1645        | 125                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1646        | 150                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1647        | 175                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1648        | 200                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1651        | 40                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1652        | 60                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |
| SDT1653        | 80                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52                        | TO-66        | 116          |

\*\*Exception to JEDEC

SOLITRON DEVICES INC

95 DE 8368602 0002764 0

## PRODUCT CATALOG



Devices, Inc.

## PLANAR POWER TRANSISTORS

## 5 AMP NPN (continued)

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| SDT1654        | 100                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1655        | 125                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1656        | 150                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1657        | 175                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1658        | 200                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1661        | 40                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1662        | 60                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1663        | 80                      | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1664        | 100                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1665        | 125                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1666        | 150                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1667        | 175                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT1668        | 200                     | 80                         | 1.0                        | 0.50                             | 1.0                        | 2.5                         | 52.0                      | TO-66        | 116          |
| SDT3401        | 40                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3402        | 60                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3403        | 80                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3404        | 100                     | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3405        | 40                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3406        | 60                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3407        | 80                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 52.0                      | TO-111/I     | 184          |
| SDT3408        | 100                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 53.0                      | TO-111/I     | 184          |
| SDT3409        | 120                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 53.0                      | TO-111/I     | 184          |
| SDT3421        | 40                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3422        | 60                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3423        | 80                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3424        | 100                     | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3425        | 40                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3426        | 60                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3427        | 80                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3428        | 100                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT3429        | 120                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 40.0                        | 9.0                       | TO-5         | 184          |
| SDT4451        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4452        | 80                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4453        | 40                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4454        | 80                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4455        | 40                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4456        | 80                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT4483        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT6308        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 52.0                      | TO-111       | 184          |
| SDT6309        | 60                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 52.0                      | TO-111       | 184          |
| SDT6310        | 80                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 40.0                        | 52.0                      | TO-111       | 184          |
| SDT6311        | 40                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6312        | 60                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6313        | 80                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6314        | 40                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6315        | 60                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6316        | 80                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111       | 184          |
| SDT6408        | 40                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6409        | 60                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6410        | 80                      | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002765 2

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

## [continued] 5 AMP NPN

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| SDT6411        | 40                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6412        | 60                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6413        | 80                      | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6414        | 40                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6415        | 60                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6416        | 80                      | 100                        | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6417        | 60                      | 20/60                      | 1.0                        | 0.25                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6418        | 60                      | 40/120                     | 1.0                        | 0.25                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6419        | 80                      | 20/60                      | 1.0                        | 0.25                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6420        | 80                      | 40/120                     | 1.0                        | 0.25                             | 1.0                        | 30.0                        | 52.0                      | TO-111/I     | 184          |
| SDT6901        | 125                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6902        | 150                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6903        | 175                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6904        | 200                     | 20/60                      | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6905        | 125                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6906        | 150                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6907        | 175                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT6908        | 200                     | 40/120                     | 1.0                        | 0.50                             | 1.0                        | 20.0                        | 35.0                      | TO-66        | 184          |
| SDT7411        | 40                      | 20/60                      | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7412        | 60                      | 20/60                      | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7413        | 80                      | 20/60                      | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7414        | 40                      | 40/120                     | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7415        | 60                      | 40/120                     | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7416        | 80                      | 40/120                     | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7417        | 40                      | 100                        | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7418        | 60                      | 100                        | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT7419        | 80                      | 100                        | 5.0                        | 0.60                             | 5.0                        | 15.0                        | 9.0                       | TO-5         | 185          |
| SDT9001        | 30                      | 20                         | 1.0                        | 0.70                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 184          |
| SDT9002        | 50                      | 20                         | 1.0                        | 0.70                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 184          |
| SDT9003        | 70                      | 20                         | 1.0                        | 0.70                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 184          |
| SDT9004        | 30                      | 30/90                      | 1.0                        | 0.70                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 184          |
| SDT9005        | 50                      | 30/90                      | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9006        | 70                      | 30/90                      | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9007        | 30                      | 50/150                     | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9008        | 50                      | 50/150                     | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9009        | 70                      | 50/150                     | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9010        | 30                      | 100                        | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9011        | 50                      | 100                        | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT9012        | 70                      | 100                        | 1.0                        | 0.70                             | 1.0                        | 40.0                        | 7.0                       | TO-5         | 184          |
| SDT18201       | 550                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-61/I      | 118          |
| SDT18202       | 600                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-61/I      | 118          |
| SDT18203       | 650                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-61/I      | 118          |
| SDT18204       | 700                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-61/I      | 118          |
| SDT18205       | 750                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-61/I      | 118          |
| SDT18801       | 550                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-228AB/I   | 118          |
| SDT18802       | 600                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-228AB/I   | 118          |
| SDT18803       | 650                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-228AB/I   | 118          |
| SDT18804       | 700                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-228AB/I   | 118          |
| SDT18805       | 750                     | 2.25                       | 4.5                        | 5.00                             | 4.5                        | 3.0                         | 56.0                      | TO-228AB/I   | 118          |
| SDT40301       | 150                     | 20/80                      | 2.0                        | 0.30                             | 2.0                        | 25.0                        | 175.0                     | TO-3         | 140          |

SOLITRON DEVICES INC

95 DE 8368602 0002766 4

## PRODUCT CATALOG



Devices, Inc.

## PLANAR POWER TRANSISTORS

## 5 AMP NPN [continued]

| DEVICE TYPE | V <sub>CEO</sub> (V) | h <sub>FE</sub> MIN/MAX | @ I <sub>C</sub> (A) | V <sub>CE</sub> (sat) MAX (V) | @ I <sub>C</sub> (A) | f <sub>T</sub> MIN (MHz) | P <sub>T</sub> MAX (W) | CASE TYPE  | CHIP TYPE |
|-------------|----------------------|-------------------------|----------------------|-------------------------------|----------------------|--------------------------|------------------------|------------|-----------|
| SDT40302    | 200                  | 20/80                   | 2.0                  | 0.30                          | 2.0                  | 25.0                     | 175.0                  | TO-3       | 140       |
| SDT40303    | 250                  | 20/80                   | 2.0                  | 0.30                          | 2.0                  | 25.0                     | 175.0                  | TO-3       | 140       |
| SDT40304    | 300                  | 20/80                   | 2.0                  | 0.30                          | 2.0                  | 25.0                     | 175.0                  | TO-3       | 140       |
| SDT40305    | 350                  | 20/80                   | 2.0                  | 0.30                          | 2.0                  | 25.0                     | 175.0                  | TO-3       | 140       |
| SDT41301    | 700                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT41302    | 750                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT41303    | 800                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT41304    | 850                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT41305    | 900                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT41306    | 950                  | 15/60                   | 0.5                  | 0.25                          | 0.5                  | 2.0                      | 140.0                  | TO-3       | 141       |
| SDT84924    | 100                  | 40/120                  | 1.0                  | 0.25                          | 1.0                  | 30.0                     | 40.0                   | TO-228AA/I | 184       |
| SDT85501    | 40                   | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85502    | 60                   | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85503    | 80                   | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85504    | 120                  | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85505    | 150                  | 40/120                  | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85506    | 40                   | 20                      | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85507    | 60                   | 20                      | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85508    | 80                   | 20                      | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85509    | 120                  | 20                      | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |
| SDT85510    | 150                  | 20                      | 5.0                  | 0.60                          | 5.0                  | 40.0                     | 9.0                    | TO-39      | 185       |

## 5 AMP PNP

|        |     |        |     |      |     |      |       |          |     |
|--------|-----|--------|-----|------|-----|------|-------|----------|-----|
| 2N5003 | 80  | 30/90  | 2.5 | 0.75 | 2.5 | 30** | 58.0  | TO-59    | 267 |
| 2N5005 | 80  | 70/200 | 2.5 | 0.75 | 2.5 | 35** | 58.0  | TO-59    | 267 |
| 2N5151 | 80  | 30/90  | 2.5 | 0.75 | 2.5 | 30** | 11.0  | TO-39    | 267 |
| 2N5153 | 80  | 70/200 | 2.5 | 0.75 | 2.5 | 35** | 11.0  | TO-39    | 267 |
| 2N5286 | 100 | 30/90  | 2.5 | 0.75 | 2.5 | 30** | 58.0  | TO-59    | 267 |
| 2N5287 | 100 | 70/120 | 2.5 | 0.75 | 2.5 | 35** | 58.0  | TO-59    | 267 |
| 2N5384 | 80  | 20/80  | 2.0 | 0.60 | 2.0 | 30   | 30.0* | TO-111/I | 271 |
| 2N5385 | 80  | 20/80  | 2.0 | 0.60 | 2.0 | 30   | 30.0* | TO-111/I | 271 |
| 2N5404 | 80  | 20/60  | 2.0 | 0.60 | 2.0 | 30** | 5.0*  | TO-5     | 271 |
| 2N5405 | 100 | 20/60  | 2.0 | 0.60 | 2.0 | 30** | 5.0*  | TO-5     | 271 |
| 2N5406 | 80  | 40/120 | 2.0 | 0.60 | 2.0 | 30** | 5.0*  | TO-5     | 271 |
| 2N5407 | 100 | 40/120 | 2.0 | 0.60 | 2.0 | 30** | 5.0*  | TO-5     | 271 |
| 2N5408 | 80  | 20/60  | 2.0 | 0.60 | 2.0 | 30** | 30.0* | TO-111/I | 271 |
| 2N5409 | 100 | 20/60  | 2.0 | 0.60 | 2.0 | 30** | 30.0* | TO-111/I | 271 |
| 2N5410 | 80  | 40/120 | 2.0 | 0.60 | 2.0 | 30** | 30.0* | TO-111/I | 271 |
| 2N5411 | 100 | 40/120 | 2.0 | 0.60 | 2.0 | 30** | 30.0* | TO-111/I | 271 |
| 2N5605 | 60  | 70/200 | 2.5 | 0.75 | 2.5 | 40** | 25.0  | TO-66    | 271 |
| 2N5607 | 80  | 30/90  | 2.5 | 0.75 | 2.5 | 30** | 25.0  | TO-66    | 271 |
| 2N5609 | 80  | 70/200 | 2.5 | 0.75 | 2.5 | 40** | 25.0  | TO-66    | 271 |
| 2N5611 | 100 | 30/90  | 2.5 | 0.75 | 2.5 | 30** | 25.0  | TO-66    | 267 |
| 2N5613 | 60  | 70/200 | 2.5 | 1.50 | 5.0 | 35** | 58.0  | TO-3     | 267 |
| 2N5615 | 80  | 30/90  | 2.5 | 1.50 | 5.0 | 30** | 58.0  | TO-3     | 267 |
| 2N5617 | 80  | 70/200 | 2.5 | 1.50 | 5.0 | 35** | 58.0  | TO-3     | 267 |
| 2N5619 | 100 | 30/90  | 2.5 | 1.50 | 5.0 | 30** | 58.0  | TO-3     | 267 |
| 2N6190 | 80  | 30/120 | 2.0 | 0.70 | 2.0 | 30   | 10.0  | TO-39    | 267 |

\*TC = 100°C \*\*Exception to JEDEC



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002767 6

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

## [continued] 5 AMP PNP

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| 2N6192         | 100                     | 30/120                     | 2.0                        | 0.70                             | 2.0                        | 30                          | 10.0                      | TO-39        | 267          |
| SDT3301        | 40                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3302        | 60                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3303        | 80                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3304        | 100                     | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3305        | 40                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3306        | 60                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3307        | 80                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3308        | 100                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3309        | 120                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 52.0                      | TO-111/I     | 271          |
| SDT3321        | 40                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3322        | 60                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3323        | 80                      | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3324        | 100                     | 40/120                     | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3325        | 40                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3326        | 60                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3327        | 80                      | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3328        | 100                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3329        | 120                     | 20/60                      | 2.0                        | 0.75                             | 2.0                        | 30                          | 9.0                       | TO-5         | 271          |
| SDT3701        | 40                      | 25/180                     | 1.0                        | 0.50                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3702        | 60                      | 25/180                     | 1.0                        | 0.50                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3703        | 40                      | 20/80                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3704        | 60                      | 20/80                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3705        | 80                      | 20/80                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3706        | 30                      | 20/60                      | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3707        | 45                      | 20/60                      | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3708        | 60                      | 20/60                      | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3709        | 30                      | 50/180                     | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3710        | 45                      | 50/180                     | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3711        | 60                      | 50/180                     | 1.0                        | 1.00                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3712        | 40                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3713        | 60                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3714        | 80                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3715        | 40                      | 40                         | 1.0                        | 0.30                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3716        | 40                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3717        | 60                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3718        | 80                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3719        | 100                     | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3720        | 40                      | 40                         | 1.0                        | 0.40                             | 1.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3721        | 40                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3722        | 60                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3723        | 80                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3724        | 100                     | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3725        | 40                      | 40                         | 2.0                        | 0.50                             | 2.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3726        | 40                      | 25/100                     | 2.5                        | 1.00                             | 2.5                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3727        | 60                      | 25/100                     | 2.5                        | 1.00                             | 2.5                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3728        | 80                      | 25/100                     | 2.5                        | 1.00                             | 2.5                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3729        | 40                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3730        | 60                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |
| SDT3731        | 80                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 30                          | 28.0                      | TO-66        | 271          |

## PRODUCT CATALOG



Devices, Inc.

## PLANAR POWER TRANSISTORS

## 5 AMP PNP [continued]

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| SDT3732        | 100                     | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 30.0                        | 28.0                      | TO-66        | 271          |
| SDT3733        | 40                      | 40                         | 3.0                        | 0.75                             | 3.0                        | 30.0                        | 28.0                      | TO-66        | 271          |
| SDT3750        | 40                      | 25/180                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-3         | 271          |
| SDT3751        | 60                      | 25/180                     | 1.0                        | 0.50                             | 1.0                        | 30.0                        | 52.0                      | TO-3         | 271          |
| SDT3752        | 40                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3753        | 60                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3754        | 80                      | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3755        | 100                     | 12/36                      | 1.0                        | 0.40                             | 1.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3756        | 40                      | 40                         | 1.0                        | 0.40                             | 1.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3757        | 40                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3758        | 60                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3759        | 80                      | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3760        | 100                     | 10/30                      | 2.0                        | 0.50                             | 2.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3761        | 40                      | 40                         | 2.0                        | 0.50                             | 2.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3762        | 40                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3763        | 60                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3764        | 80                      | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3765        | 100                     | 10/30                      | 3.0                        | 0.75                             | 3.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3766        | 40                      | 40                         | 3.0                        | 0.75                             | 3.0                        | 10.0                        | 52.0                      | TO-3         | 271          |
| SDT3775        | 40                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 271          |
| SDT3776        | 60                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 271          |
| SDT3777        | 80                      | 20/60                      | 1.0                        | 0.30                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 271          |
| SDT3778        | 40                      | 40                         | 1.0                        | 0.30                             | 1.0                        | 10.0                        | 7.0                       | TO-5         | 271          |

## 7 AMP NPN

|        |     |        |     |     |     |      |        |       |     |
|--------|-----|--------|-----|-----|-----|------|--------|-------|-----|
| 2N3879 | 75  | 20/80  | 4.0 | 1.2 | 4.0 | 40.0 | 35.0   | TO-66 | 184 |
| 2N5427 | 80  | 30/120 | 2.0 | 0.7 | 2.0 | 30.0 | 40.0   | TO-66 | 185 |
| 2N5428 | 80  | 60/240 | 2.0 | 0.7 | 2.0 | 30.0 | 40.0   | TO-66 | 185 |
| 2N5429 | 100 | 30/120 | 2.0 | 0.7 | 2.0 | 30.0 | 40.0   | TO-66 | 185 |
| 2N5430 | 100 | 60/240 | 2.0 | 0.7 | 2.0 | 30.0 | 40.0   | TO-66 | 184 |
|        |     |        |     |     |     |      |        |       |     |
| 2N6077 | 275 | 12/70  | 1.2 | 0.5 | 1.2 | 1.0  | 25.7*  | TO-66 | 116 |
| 2N6078 | 250 | 12/70  | 1.2 | 0.5 | 1.2 | 1.0  | 25.7*  | TO-66 | 116 |
| 2N6079 | 350 | 12/50  | 1.2 | 0.5 | 1.2 | 1.0  | 25.7*  | TO-66 | 116 |
| 2N3487 | 60  | 20/60  | 3.0 | 1.2 | 3.0 | 10.0 | 115.0  | TO-61 | 185 |
| 2N3488 | 80  | 20/60  | 3.0 | 1.2 | 3.0 | 10.0 | 115.0  | TO-61 | 185 |
|        |     |        |     |     |     |      |        |       |     |
| 2N3489 | 100 | 15/45  | 3.0 | 1.2 | 3.0 | 10.0 | 115.0  | TO-61 | 185 |
| 2N3490 | 60  | 40/120 | 5.0 | 1.5 | 5.0 | 10.0 | 115.0  | TO-61 | 185 |
| 2N3491 | 80  | 40/120 | 5.0 | 1.5 | 5.0 | 10.0 | 115.0  | TO-61 | 185 |
| 2N3492 | 100 | 30/90  | 5.0 | 1.5 | 5.0 | 10.0 | 115.0  | TO-61 | 185 |
| 2N5387 | 200 | 25/100 | 2.0 | 2.0 | 5.0 | 15.0 | 100.0* | TO-61 | 140 |
|        |     |        |     |     |     |      |        |       |     |
| 2N5388 | 250 | 25/100 | 2.0 | 2.0 | 5.0 | 15.0 | 100.0* | TO-61 | 140 |
| 2N5389 | 300 | 25/100 | 2.0 | 2.0 | 5.0 | 15.0 | 100.0* | TO-61 | 140 |

## 10 AMP NPN

|        |    |        |     |      |     |      |       |       |     |
|--------|----|--------|-----|------|-----|------|-------|-------|-----|
| 2N2811 | 60 | 20/60  | 5.0 | 0.50 | 5.0 | 15.0 | 40.0* | TO-61 | 185 |
| 2N2812 | 60 | 40/120 | 5.0 | 0.50 | 5.0 | 15.0 | 40.0* | TO-61 | 185 |
| 2N2813 | 80 | 20/60  | 5.0 | 0.50 | 5.0 | 15.0 | 40.0* | TO-61 | 185 |
| 2N2814 | 80 | 40/120 | 5.0 | 0.50 | 5.0 | 15.0 | 40.0* | TO-61 | 185 |

\*T<sub>C</sub> = 100°C



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002769 0

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

[continued]

## 10 AMP NPN

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE(sat)</sub><br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|---------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| 2N4070         | 100                     | 40/120                     | 5.0                        | 0.60                            | 5.0                        | 20.0                        | 65.0 *                    | TO-3         | 185          |
| 2N4071         | 150                     | 40/120                     | 5.0                        | 0.60                            | 5.0                        | 20.0                        | 65.0 *                    | TO-3         | 185          |
| 2N4301         | 80                      | 30/120                     | 5.0                        | 0.40                            | 5.0                        | 40.0                        | 50.0*                     | TO-61        | 185          |
| 2N5006         | 80                      | 30/90                      | 5.0                        | 0.90                            | 5.0                        | 30.0                        | 116.0                     | TO-61/I      | 185          |
| 2N5008         | 80                      | 70/200                     | 5.0                        | 0.90                            | 5.0                        | 40.0                        | 116.0                     | TO-61/I      | 185          |
| 2N5218         | 200                     | 15/120                     | 5.0                        | 0.60                            | 5.0                        | 40.0                        | 50.0*                     | TO-61        | 140          |
| 2N5288         | 100                     | 30/90                      | 5.0                        | 0.90                            | 5.0                        | 30.0                        | 116.0                     | TO-61/I      | 185          |
| 2N5289         | 100                     | 70/200                     | 5.0                        | 0.90                            | 5.0                        | 40.0                        | 116.0                     | TO-61/I      | 185          |
| 2N5313         | 80                      | 30/90                      | 10.0                       | 1.50                            | 10.0                       | 30.0                        | 50.0*                     | TO-61        | 185          |
| 2N5315         | 100                     | 30/90                      | 10.0                       | 1.50                            | 10.0                       | 30.0                        | 50.0*                     | TO-61        | 185          |
| 2N5317         | 80                      | 30/90                      | 5.0                        | 0.60                            | 5.0                        | 30.0                        | 50.0*                     | TO-61/I      | 185          |
| 2N5319         | 100                     | 30/90                      | 5.0                        | 0.60                            | 5.0                        | 30.0                        | 50.0*                     | TO-61/I      | 185          |
| 2N5327         | 80                      | 100/300                    | 1.0                        | 0.40                            | 3.0                        | 50.0                        | 5.0*                      | TO-5         | 185          |
| 2N5540         | 300                     | 20/60                      | 5.0                        | 2.50                            | 10.0                       | 20.0                        | 50.0*                     | TO-61        | 112          |
| 2N5542         | 130                     | 30/90                      | 5.0                        | 2.50                            | 10.0                       | 20.0                        | 50.0*                     | TO-61        | 185          |
| 2N5622         | 60                      | 70/200                     | 5.0                        | 0.90                            | 5.0                        | 40.0                        | 116.0                     | TO-3         | 144          |
| 2N5624         | 80                      | 30/90                      | 5.0                        | 0.90                            | 5.0                        | 30.0                        | 116.0                     | TO-3         | 144          |
| 2N5626         | 80                      | 70/200                     | 5.0                        | 0.90                            | 5.0                        | 40.0                        | 116.0                     | TO-3         | 144          |
| 2N5628         | 100                     | 30/90                      | 5.0                        | 0.90                            | 5.0                        | 30.0                        | 116.0                     | TO-3         | 144          |
| 2N5730         | 80                      | 30/300                     | 2.0                        | 1.20                            | 5.0                        | 30.0                        | 52.5                      | TO-59        | 185          |
| 2N5854         | 80                      | 30/90                      | 5.0                        | 0.90                            | 5.0                        | 20.0                        | 66.0*                     | TO-61/I      | 186          |
| 2N6128         | 80                      | 30/120                     | 5.0                        | 0.90                            | 5.0                        | 40.0                        | 67.0*                     | TO-61/I      | 185          |
| 2N6216         | 150                     | 20/80                      | 5.0                        | 0.50                            | 5.0                        | 20.0                        | 71.0*                     | TO-3         | 177          |
| 2N6217         | 80                      | 20/80                      | 5.0                        | 0.50                            | 5.0                        | 20.0                        | 71.0*                     | TO-3         | 177          |
| 2N6249         | 200                     | 10/50                      | 10.0                       | 1.50                            | 10.0                       | 2.5                         | 100.0*                    | TO-3         | 105          |
| 2N6250         | 275                     | 8/50                       | 10.0                       | 1.50                            | 10.0                       | 2.5                         | 100.0*                    | TO-3         | 105          |
| 2N6251         | 350                     | 6/50                       | 10.0                       | 1.50                            | 10.0                       | 2.5                         | 100.0*                    | TO-3         | 114          |
| 2N6560         | 450                     | 10/40                      | 5.0                        | 0.75                            | 5.0                        | 10.0                        | 220.0                     | TO-3         | 105          |
| 2N6561         | 300                     | 10/50                      | 10.0                       | 0.75                            | 10.0                       | 15.0                        | 220.0                     | TO-3         | 112          |
| 2N6562         | 450                     | 10/40                      | 5.0                        | 0.75                            | 5.0                        | 10.0                        | 175.0                     | TO-61/I      | 105          |
| 2N6563         | 300                     | 10/50                      | 10.0                       | 0.75                            | 10.0                       | 15.0                        | 175.0                     | TO-61/I      | 112          |
| SDT3205        | 40                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 87.0                      | TO-61/I      | 185          |
| SDT3206        | 60                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 87.0                      | TO-61/I      | 185          |
| SDT3207        | 80                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 87.0                      | TO-61/I      | 185          |
| SDT3208        | 100                     | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 87.0                      | TO-61/I      | 185          |
| SDT3209        | 120                     | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 87.0                      | TO-61/I      | 185          |
| SDT3225        | 40                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 52.0                      | TO-111/I     | 185          |
| SDT3226        | 60                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 52.0                      | TO-111/I     | 185          |
| SDT3227        | 80                      | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 52.0                      | TO-111/I     | 185          |
| SDT3228        | 100                     | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 52.0                      | TO-111/I     | 185          |
| SDT3229        | 120                     | 20/80                      | 5.0                        | 0.75                            | 5.0                        | 30.0                        | 52.0                      | TO-111/I     | 185          |
| SDT7A01        | 40                      | 40/120                     | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A02        | 60                      | 40/120                     | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A03        | 80                      | 40/120                     | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A04        | 120                     | 40/120                     | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A05        | 150                     | 40/120                     | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A07        | 40                      | 20/60                      | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A08        | 60                      | 20/60                      | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A09        | 80                      | 20/60                      | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |
| SDT7A10        | 120                     | 20/60                      | 5.0                        | 0.50                            | 5.0                        | 30.0                        | 70.0                      | TO-66        | 185          |

\*T<sub>C</sub> = 100°C

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS



Devices, Inc.

## 10 AMP NPN [continued]

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| SDT7A11        | 150                     | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 70                        | TO-66        | 185          |
| SDT7A12        | 200                     | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 70                        | TO-66        | 185          |
| SDT7B01        | 60                      | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B02        | 80                      | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B03        | 100                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B04        | 120                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B05        | 60                      | 20                         | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B06        | 80                      | 20                         | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B07        | 100                     | 20                         | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7B08        | 120                     | 20                         | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 52                        | TO-111/I     | 185          |
| SDT7011        | 40                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61/I      | 185          |
| SDT7012        | 60                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61/I      | 185          |
| SDT7013        | 80                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7014        | 40                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7015        | 60                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7016        | 80                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7017        | 40                      | 100                        | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7018        | 60                      | 100                        | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7019        | 80                      | 100                        | 5.0                        | 0.5                              | 5.0                        | 15.0                        | 87                        | TO-61        | 185          |
| SDT7150        | 120                     | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 87                        | TO-61        | 185          |
| SDT7151        | 150                     | 20/60                      | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 87                        | TO-61        | 185          |
| SDT7152        | 200                     | 20/60                      | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 87                        | TO-61        | 185          |
| SDT7154        | 120                     | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 87                        | TO-61        | 185          |
| SDT7155        | 150                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 87                        | TO-61        | 185          |
| SDT7471        | 60                      | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7472        | 80                      | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7473        | 100                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7474        | 120                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7475        | 60                      | 20                         | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7476        | 80                      | 20                         | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7477        | 100                     | 20                         | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7478        | 120                     | 20                         | 5.0                        | 0.6                              | 5.0                        | 15.0                        | 17                        | TO-5         | 185          |
| SDT7601        | 40                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 40.0                        | 117                       | TO-3         | 185          |
| SDT7602        | 60                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 40.0                        | 117                       | TO-3         | 185          |
| SDT7603        | 80                      | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 40.0                        | 117                       | TO-3         | 185          |
| SDT7604        | 120                     | 40/120                     | 5.0                        | 0.5                              | 5.0                        | 40.0                        | 117                       | TO-3         | 185          |
| SDT7605        | 150                     | 40/120                     | 5.0                        | 0.6                              | 5.0                        | 40.0                        | 117                       | TO-3         | 185          |
| SDT7607        | 40                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7608        | 60                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7609        | 80                      | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7610        | 120                     | 20/60                      | 5.0                        | 0.5                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7611        | 150                     | 20/60                      | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7612        | 200                     | 20/60                      | 5.0                        | 0.6                              | 5.0                        | 30.0                        | 117                       | TO-3         | 185          |
| SDT7731        | 40                      | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7732        | 60                      | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7733        | 80                      | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7734        | 100                     | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7735        | 125                     | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7736        | 150                     | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 125                       | TO-3         | 177          |
| SDT7741        | 40                      | 20/80                      | 5.0                        | 0.5                              | 5.0                        | 5.0                         | 62                        | TO-66        | 177          |



Devices, Inc.

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

(continued)

## 10 AMP NPN

| DEVICE TYPE | V <sub>CEO</sub> (V) | h <sub>FE</sub> MIN/MAX @ I <sub>C</sub> (A) | V <sub>CE</sub> (sat) MAX (V) @ I <sub>C</sub> (A) | f <sub>T</sub> MIN (MHz) | P <sub>T</sub> MAX (W) | CASE TYPE | CHIP TYPE |
|-------------|----------------------|----------------------------------------------|----------------------------------------------------|--------------------------|------------------------|-----------|-----------|
| SDT7742     | 60                   | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 62.0                   | TO-66     | 177       |
| SDT7743     | 80                   | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 62.0                   | TO-66     | 177       |
| SDT7744     | 100                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 62.0                   | TO-66     | 177       |
| SDT7745     | 125                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 62.0                   | TO-66     | 177       |
| SDT7746     | 150                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 62.0                   | TO-66     | 177       |
| SDT7761     | 40                   | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT7762     | 60                   | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT7763     | 80                   | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT7764     | 100                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT7765     | 125                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT7766     | 150                  | 20/80 5.0                                    | 0.5 5.0                                            | 5.0                      | 71.4                   | TO-61     | 177       |
| SDT12201    | 200                  | 10/50 10.0                                   | 1.0 10.0                                           | 20.0                     | 175.0                  | TO-61/I   | 112       |
| SDT12202    | 250                  | 10/50 10.0                                   | 1.0 10.0                                           | 20.0                     | 175.0                  | TO-61/I   | 112       |
| SDT12203    | 300                  | 10/50 10.0                                   | 1.0 10.0                                           | 20.0                     | 175.0                  | TO-61/I   | 112       |
| SDT12301    | 200                  | 10/50 10.0                                   | 1.0 10.0                                           | 20.0                     | 220.0                  | TO-3      | 112       |
| SDT12302    | 250                  | 10/50 10.0                                   | 1.0 10.0                                           | 20.0                     | 220.0                  | TO-3      | 112       |
| SDT12303    | 300                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 175.0                  | TO-61/I   | 105       |
| SDT13202    | 350                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 175.0                  | TO-61/I   | 105       |
| SDT13203    | 400                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 175.0                  | TO-61/I   | 105       |
| SDT13204    | 450                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 175.0                  | TO-61/I   | 105       |
| SDT13205    | 500                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 175.0                  | TO-61/I   | 105       |
| SDT13301    | 300                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 220.0                  | TO-3      | 105       |
| SDT13302    | 350                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 220.0                  | TO-3      | 105       |
| SDT13303    | 400                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 220.0                  | TO-3      | 105       |
| SDT13304    | 450                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 220.0                  | TO-3      | 105       |
| SDT13305    | 500                  | 10/50 5.0                                    | 1.0 5.0                                            | 12.0                     | 220.0                  | TO-3      | 105       |
| SDT14304    | 300                  | 15/75 5.0                                    | 0.3 5.0                                            | 7.0                      | 220.0                  | TO-3      | 114       |
| SDT14305    | 400                  | 15/75 5.0                                    | 0.3 5.0                                            | 7.0                      | 220.0                  | TO-3      | 114       |
| SDT55474    | 550                  | 10/40 10.0                                   | 1.0 10.0                                           | 1.5                      | 620.0                  | TO-63     | 155       |
| SDT55476    | 600                  | 10/40 10.0                                   | 1.0 10.0                                           | 1.5                      | 620.0                  | TO-63     | 155       |
| SDT85301    | 40                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85302    | 60                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85303    | 80                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85304    | 120                  | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85305    | 150                  | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85306    | 40                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85307    | 60                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85308    | 80                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85309    | 120                  | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85310    | 150                  | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 117.0                  | TO-3      | 185       |
| SDT85601    | 40                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85602    | 60                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85603    | 80                   | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85604    | 120                  | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85605    | 150                  | 40/120 5.0                                   | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85606    | 40                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85607    | 60                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85608    | 80                   | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85609    | 120                  | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |
| SDT85610    | 150                  | 20 5.0                                       | 0.6 5.0                                            | 30.0                     | 70.0                   | TO-66     | 185       |

B

## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

## 10 AMP PNP



Devices, Inc.

| DEVICE<br>TYPE | V <sub>CEO</sub><br>(V) | h <sub>FE</sub><br>MIN/MAX | @<br>I <sub>C</sub><br>(A) | V <sub>CE</sub> (sat)<br>MAX (V) | @<br>I <sub>C</sub><br>(A) | f <sub>T</sub><br>MIN (MHz) | P <sub>T</sub><br>MAX (W) | CASE<br>TYPE | CHIP<br>TYPE |
|----------------|-------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|-----------------------------|---------------------------|--------------|--------------|
| 2N5007         | 80                      | 30/90                      | 5.0                        | 0.90                             | 5.0                        | 30.0**                      | 116                       | TO-61/I      | 263          |
| 2N5009         | 80                      | 70/200                     | 5.0                        | 0.90                             | 5.0                        | 40.0**                      | 116                       | TO-61/I      | 263          |
| 2N5290         | 100                     | 30/90                      | 5.0                        | 0.90                             | 5.0                        | 30.0                        | 116                       | TO-61/I      | 263          |
| 2N5291         | 100                     | 70/200                     | 5.0                        | 0.90                             | 5.0                        | 40.0                        | 116                       | TO-61/I      | 263          |
| 2N5312         | 80                      | 30/90                      | 10.0                       | 1.50                             | 10.0                       | 30.0                        | 50*                       | TO-61/I      | 263          |
| 2N5314         | 100                     | 30/90                      | 10.0                       | 1.50                             | 10.0                       | 30.0                        | 50*                       | TO-61/I      | 263          |
| 2N5316         | 80                      | 30/90                      | 5.0                        | 0.60                             | 5.0                        | 30.0                        | 50*                       | TO-61/I      | 263          |
| 2N5318         | 100                     | 30/90                      | 5.0                        | 0.60                             | 5.0                        | 30.0                        | 50*                       | TO-61/I      | 283          |
| 2N5386         | 80                      | 20/80                      | 6.0                        | 0.60                             | 6.0                        | 30.0                        | 50                        | TO-61        | 263          |
| 2N5621         | 60                      | 70/200                     | 5.0                        | 0.90                             | 5.0                        | 40.0                        | 116                       | TO-3         | 263          |
| 2N5623         | 80                      | 30/90                      | 5.0                        | 0.90                             | 5.0                        | 30.0                        | 116                       | TO-3         | 263          |
| 2N5625         | 80                      | 70/200                     | 5.0                        | 0.90                             | 5.0                        | 40.0                        | 116                       | TO-3         | 263          |
| 2N5627         | 100                     | 30/90                      | 5.0                        | 0.90                             | 5.0                        | 30.0                        | 116                       | TO-3         | 263          |
| 2N5677         | 100                     | 30/90                      | 5.0                        | 0.60                             | 5.0                        | 20.0                        | 50*                       | TO-61        | 263          |
| 2N5737         | 60                      | 20/80                      | 5.0                        | 0.50                             | 5.0                        | 10.0                        | 50*                       | TO-3         | 267          |
| 2N5738         | 100                     | 20/80                      | 5.0                        | 0.50                             | 5.0                        | 10.0                        | 50*                       | TO-3         | 267          |
| 2N5739         | 60                      | 20/80                      | 5.0                        | 0.50                             | 5.0                        | 10.0                        | 20*                       | TO-66        | 267          |
| 2N5740         | 100                     | 20/80                      | 5.0                        | 0.50                             | 5.0                        | 10.0                        | 20*                       | TO-66        | 267          |
| 2N5853         | 80                      | 30/90                      | 5.0                        | 0.90                             | 5.0                        | 15.0                        | 66*                       | TO-61/I      | 265          |
| 2N6127         | 80                      | 30/120                     | 5.0                        | 0.90                             | 5.0                        | 30.0                        | 67*                       | TO-61/I      | 263          |
| 2N6248         | 100                     | 20/100                     | 5.0                        | 3.50                             | 10.0                       | 10.0                        | 125                       | TO-3         | 263          |
| SDT3105        | 40                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61/I      | 263          |
| SDT3106        | 60                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61/I      | 263          |
| SDT3107        | 80                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61/I      | 263          |
| SDT3108        | 100                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61/I      | 263          |
| SDT3109        | 120                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3115        | 40                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3116        | 60                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3117        | 80                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3118        | 100                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3119        | 120                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 87                        | TO-61        | 263          |
| SDT3125        | 40                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 52                        | TO-111/I     | 263          |
| SDT3126        | 60                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 52                        | TO-111/I     | 263          |
| SDT3127        | 80                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 52                        | TO-111/I     | 263          |
| SDT3128        | 100                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 52                        | TO-111/I     | 263          |
| SDT3129        | 120                     | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 30.0                        | 52                        | TO-111/I     | 263          |
| SDT3801        | 60                      | 25/90                      | 1.0                        | 0.70                             | 3.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3802        | 80                      | 25/90                      | 1.0                        | 0.70                             | 3.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3803        | 60                      | 50/180                     | 1.0                        | 0.70                             | 3.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3804        | 80                      | 50/180                     | 1.0                        | 0.70                             | 3.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3805        | 40                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3806        | 80                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3807        | 40                      | 40                         | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 35                        | TO-66        | 267          |
| SDT3825        | 40                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 78                        | TO-3         | 267          |
| SDT3826        | 80                      | 20/80                      | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 78                        | TO-3         | 267          |
| SDT3827        | 40                      | 40                         | 5.0                        | 0.75                             | 5.0                        | 10.0                        | 78                        | TO-3         | 267          |
| SDT02353       | 300                     | 10/50                      | 5.0                        | 1.00                             | 8.0                        | 4.0                         | 100                       | TO-3         | 202          |
| SDT02354       | 350                     | 10/50                      | 5.0                        | 1.00                             | 8.0                        | 4.0                         | 100                       | TO-3         | 202          |
| SDT02355       | 400                     | 10/50                      | 5.0                        | 1.00                             | 8.0                        | 4.0                         | 100                       | TO-3         | 202          |

\*T<sub>C</sub> = 100° \*\*Exception to JEDEC