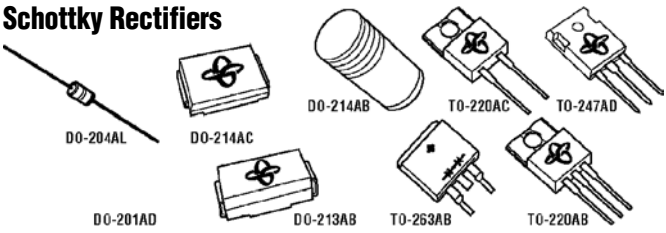


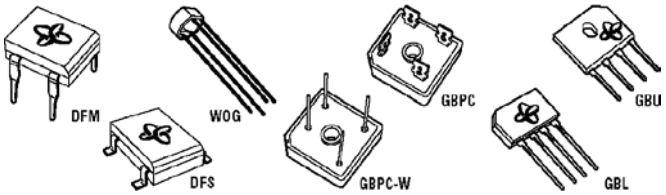
Schottky Rectifiers



| Mfr.'s Type | If (AV) (A) | Package             |                               | V <sub>RR</sub> Range (V) | Max. V <sub>r</sub> @ I <sub>r</sub> |           |
|-------------|-------------|---------------------|-------------------------------|---------------------------|--------------------------------------|-----------|
|             |             | Family              | Type                          |                           | (V)                                  | (A)       |
| 1N5817      | 1.0         | Plastic Axial       | DO-204AL (DO-41)              | 20                        | 0.450/0.60                           | 1.0       |
| 1N5818      | 1.0         | Plastic Axial       | DO-204AL (DO-41)              | 30                        | 0.450/0.60                           | 1.0       |
| 1N5819      | 1.0         | Plastic Axial       | DO-204AL (DO-41)              | 40                        | 0.450/0.60                           | 1.0       |
| 1N5820      | 3.0         | Plastic Axial       | DO-201AD                      | 20                        | 0.475/0.52                           | 3.0       |
| 1N5821      | 3.0         | Plastic Axial       | DO-201AD                      | 30                        | 0.475/0.52                           | 3.0       |
| 1N5822      | 3.0         | Plastic Axial       | DO-201AD                      | 40                        | 0.475/0.52                           | 3.0       |
| SS14        | 1.0         | Plastic SMD         | DO-214AC (SMA)                | 40                        | 0.500/0.75                           | 1.0       |
| SS16        | 1.0         | Plastic SMD         | DO-214AC (SMA)                | 60                        | 0.500/0.75                           | 1.0       |
| SGL41-40    | 1.0         | Plastic SMD         | DO-213AB (MELF)               | 40                        | 0.500/0.70                           | 1.0       |
| SS34        | 3.0         | Plastic SMD         | DO-214AB (SMC)                | 40                        | 0.500/0.75                           | 3.0       |
| MBRR1045    | 10.0        | Power-Pack SMD      | TO-263AB (D <sub>+</sub> PAK) | 40                        | 0.840/0.95                           | 20.0/10.0 |
| MBRR1060    | 10.0        | Power-Pack SMD      | TO-263AB (D <sub>+</sub> PAK) | 50                        | 0.840/0.95                           | 20.0/10.0 |
| MBRB2045CT  | 20.0        | Plastic Power-Pack* | TO-263AB (D <sub>+</sub> PAK) | 45                        | 0.840/0.95                           | 20.0/10.0 |
| MBR1745     | 7.5         | Plastic Power-Pack  | TO-220AC                      | 45                        | 0.840/0.75                           | 15.0/7.5  |
| MBR1045     | 10.0        | Plastic Power-Pack  | TO-220AC                      | 40                        | 0.840/0.95                           | 20.0/10.0 |
| MBR1060     | 10.0        | Plastic Power-Pack  | TO-220AC                      | 50                        | 0.840/0.95                           | 20.0/10.0 |
| MBR1645     | 16.0        | Plastic Power-Pack  | TO-220AC                      | 45                        | 0.630/0.75                           | 16.0      |
| MBR2045CT   | 20.0        | Plastic Power-Pack* | TO-220AB                      | 45                        | 0.840/0.95                           | 20.0/10.0 |
| MBR2545CT   | 25.0        | Plastic Power-Pack* | TO-220AB                      | 45                        | 0.820/0.75                           | 30.0/15.0 |
| MBR3045PT   | 30.0        | Plastic Power-Pack* | TO-247AD                      | 45                        | 0.760/0.75                           | 30.0/20.0 |

\*Dual center-tapped device (V<sub>r</sub> limit @ I<sub>r</sub> is per leg). All schottky die are planar with oxide passivation.

Single-Phase Bridge Rectifiers



| Mfr.'s Type | If (AV) (A) | Package                           |            | V <sub>RR</sub> Range (V) | Max.* V <sub>r</sub> @ I <sub>r</sub> |      |
|-------------|-------------|-----------------------------------|------------|---------------------------|---------------------------------------|------|
|             |             | Family                            | Type       |                           | (V)                                   | (A)  |
| DF04M       | 1.0         | Dual In-Line                      | DFM        | 400                       | 1.100                                 | 1.0  |
| DF04S       | 1.0         | Dual In-Line (SMD)                | DFS        | 400                       | 1.100                                 | 1.0  |
| DF10M       | 1.0         | Dual In-Line                      | DFM        | 1000                      | 1.100                                 | 1.0  |
| DF10S       | 1.0         | Dual In-Line (SMD)                | DFS        | 1000                      | 1.100                                 | 1.0  |
| W04G        | 1.5         | WOG                               | WOG        | 400                       | 1.000                                 | 1.0  |
| 2W04G       | 2.0         | WOG                               | WOG        | 400                       | 1.100                                 | 2.0  |
| GBPC1504    | 15.0        | GBPC with Fast-On Lugs            | GBPC12-35  | 400                       | 1.100                                 | 7.5  |
| GBPC1504W   | 15.0        | GBPC with Wire Leads              | GBPC12-35W | 400                       | 1.100                                 | 7.5  |
| GBPC2506    | 25.0        | GBPC with Fast-On Lugs            | GBPC12-35  | 600                       | 1.100                                 | 12.5 |
| GBPC2510W   | 25.0        | GBPC with Wire Leads              | GBPC12-35W | 1000                      | 1.100                                 | 12.5 |
| GBPC3504    | 25.0        | GBPC with Fast-On Lugs            | GBPC12-35  | 400                       | 1.100                                 | 17.5 |
| GBPC3510W   | 35.0        | GBPC with Wire Leads              | GBPC12-35W | 1000                      | 1.100                                 | 17.5 |
| GBL04       | 4.0         | Single In-Line                    | GBL        | 400                       | 1.100                                 | 4.0  |
| GBU4G       | 4.0         | Single In-Line with Mounting Hole | GBU        | 400                       | 1.000                                 | 4.0  |
| GBU6G       | 6.0         | Single In-Line with Mounting Hole | GBU        | 400                       | 1.000                                 | 6.0  |
| GBU8G       | 8.0         | Single In-Line with Mounting Hole | GBU        | 400                       | 1.000                                 | 8.0  |

\*V<sub>r</sub> limits are per leg. All bridges use glass passivated chips.

Fast, Ultrafast Recovery Rectifiers



| Mfr.'s Type | If (AV) (A) | Package             |                  | V <sub>RR</sub> Range (V) | Max. V <sub>r</sub> @ I <sub>r</sub> |      | t <sub>rr</sub> (ns) |
|-------------|-------------|---------------------|------------------|---------------------------|--------------------------------------|------|----------------------|
|             |             | Family              | Type             |                           | (V)                                  | (A)  |                      |
| 1N4935      | 1.0         | Plastic Axial       | DO-204AL (DO-41) | 200                       | 1.2                                  | 1.00 | 200                  |
| 1N4937      | 1.0         | Plastic Axial       | DO-204AL (DO-41) | 600                       | 1.2                                  | 1.00 | 200                  |
| 1N4935GP    | 1.0         | SUPERECTIFIER Axial | DO-204AL (DO-41) | 200                       | 1.2                                  | 1.00 | 200                  |
| 1N4937GP    | 1.0         | SUPERECTIFIER Axial | DO-204AL (DO-41) | 600                       | 1.2                                  | 1.00 | 200                  |
| UF4004      | 1.0         | Plastic Axial*      | DO-204AL (DO-41) | 400                       | 1.0/1.70                             | 1.05 | 50/75                |
| UF4007      | 1.0         | Plastic Axial*      | DO-204AL (DO-41) | 1000                      | 1.0/1.70                             | 1.05 | 50/75                |
| UF5405      | 3.0         | Plastic Axial*      | DO-201AD         | 500                       | 1.0/1.70                             | 3.00 | 50/75                |
| UF5408      | 3.0         | Plastic Axial*      | DO-201AD         | 1000                      | 1.0/1.70                             | 3.00 | 50/75                |
| ES2D        | 2.0         | Plastic SMD*        | DO-214AA (SMB)   | 200                       | 0.9                                  | 2.00 | 20                   |
| EGL41G      | 1.0         | SUPERECTIFIER SMD   | DO-213AB (MELF)  | 400                       | 1.0/1.25                             | 1.00 | 50                   |

\*Glass passivated die.

Transient Voltage Suppressors



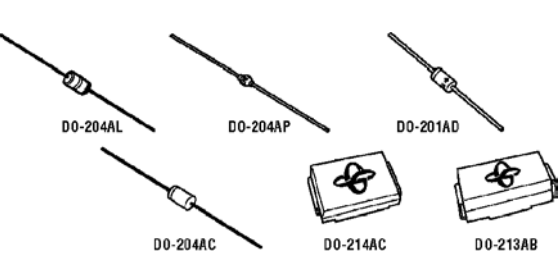
Plastic Axial

| Mfr.'s Type      |               |                |               | P <sub>RM</sub><br>(W) | V <sub>WM</sub><br>(V) | V <sub>RR</sub><br>Range (V) |
|------------------|---------------|----------------|---------------|------------------------|------------------------|------------------------------|
| DO-204AC (DO-15) |               | 1.5KE          |               |                        |                        |                              |
| Unidirectional   | Bidirectional | Unidirectional | Bidirectional |                        |                        |                              |
| P6KE6.8A         | P6KE6.8CA     | —              | —             | 600                    | 5.5                    | 6.8                          |
| P6KE7.5A         | P6KE7.5CA     | —              | —             | 600                    | 6.1                    | 7.5                          |
| P6KE18A          | P6KE18CA      | —              | —             | 600                    | 14.5                   | 18.0                         |
| P6KE24A          | P6KE24CA      | —              | —             | 600                    | 19.4                   | 24.0                         |
| P6KE30A          | P6KE30CA      | —              | —             | 600                    | 24.3                   | 30.0                         |
| P6KE33A          | P6KE33CA      | —              | —             | 600                    | 26.8                   | 33.0                         |
| P6KE36A          | P6KE36CA      | —              | —             | 600                    | 29.1                   | 36.0                         |
| —                | —             | 1.5KE6.8A      | 1.5KE6.8CA    | 1500                   | 5.5                    | 6.8                          |
| —                | —             | 1.5KE7.5A      | 1.5KE7.5CA    | 1500                   | 6.1                    | 7.5                          |
| —                | —             | 1.5KE8.2A      | 1.5KE8.2CA    | 1500                   | 6.6                    | 8.2                          |
| —                | —             | 1.5KE15A       | 1.5KE15CA     | 1500                   | 12.1                   | 15.0                         |
| —                | —             | 1.5KE18A       | 1.5KE18CA     | 1500                   | 14.5                   | 18.0                         |
| —                | —             | 1.5KE22A       | 1.5KE22CA     | 1500                   | 17.8                   | 22.0                         |
| —                | —             | 1.5KE33A       | 1.5KE33CA     | 1500                   | 26.8                   | 33.0                         |
| —                | —             | 1.5KE62A       | 1.5KE62CA     | 1500                   | 50.2                   | 62.0                         |
| —                | —             | 1.5KE100A      | 1.5KE100CA    | 1500                   | 81.0                   | 100.0                        |
| —                | —             | 1.5KE200A      | 1.5KE200CA    | 1500                   | 62.0                   | 200.0                        |

Surface Mount

| Mfr.'s Type    |               | P <sub>RM</sub><br>(W) | V <sub>WM</sub><br>(V) | V <sub>RR</sub><br>Range<br>(V) |
|----------------|---------------|------------------------|------------------------|---------------------------------|
| DO-214AA (SMB) |               |                        |                        |                                 |
| Unidirectional | Bidirectional |                        |                        |                                 |
| SMBJ5.0A       | SMBJ5.0CA     | 600                    | 5.0                    | 6.4                             |
| SMBJ7.5A       | SMBJ7.5CA     | 600                    | 7.5                    | 8.3                             |
| SMBJ12.0A      | SMBJ12.0CA    | 600                    | 12.0                   | 13.3                            |
| SMBJ15A        | SMBJ15CA      | 600                    | 15.0                   | 16.7                            |
| SMBJ33A        | SMBJ33CA      | 600                    | 33.0                   | 36.7                            |
| SMBJ36A        | SMBJ36CA      | 600                    | 36.0                   | 40.0                            |
| SMBJ100A       | SMBJ100CA     | 600                    | 100.0                  | 111.0                           |

Standard Rectifiers



| Mfr.'s Type | If (AV) (A) | Package           |                  | V <sub>RR</sub> Range (V) | Max. V <sub>r</sub> @ I <sub>r</sub> |     |
|-------------|-------------|-------------------|------------------|---------------------------|--------------------------------------|-----|
|             |             | Family            | Type             |                           | (V)                                  | (A) |
| 1N4004      | 1.0         | Plastic Axial     | DO-204AL (DO-41) | 400                       | 1.1                                  | 1.0 |
| 1N4005      | 1.0         | Plastic Axial     | DO-204AL (DO-41) | 600                       | 1.1                                  | 1.0 |
| 1N4007      | 1.0         | Plastic Axial     | DO-204AL (DO-41) | 1000                      | 1.1                                  | 1.0 |
| 1N4245      | 1.0         | Glass Axial       | DO-204AP         | 200                       | 1.2                                  | 1.0 |
| 1N4246      | 1.0         | Glass Axial       | DO-204AP         | 400                       | 1.2                                  | 1.0 |
| 1N4247      | 1.0         | Glass Axial       | DO-204AP         | 600                       | 1.2                                  | 1.0 |
| 1N4248      | 1.0         | Glass Axial       | DO-204AP         | 800                       | 1.2                                  | 1.0 |
| 1N4249      | 1.0         | Glass Axial       | DO-204AP         | 1000                      | 1.2                                  | 1.0 |
| 1N5059      | 1.0         | Glass Axial       | DO-204AP         | 200                       | 1.2                                  | 1.0 |
| 1N5060      | 1.0         | Glass Axial       | DO-204AP         | 400                       | 1.2                                  | 1.0 |
| 1N5061      | 1.0         | Glass Axial       | DO-204AP         | 600                       | 1.2                                  | 1.0 |
| 1N5062      | 1.0         | Glass Axial       | DO-204AP         | 800                       | 1.2                                  | 1.0 |
| 1N5404      | 3.0         | Plastic Axial     | DO-201AD         | 400                       | 1.2                                  | 3.0 |
| 1N5406      | 3.0         | Plastic Axial     | DO-201AD         | 600                       | 1.2                                  | 3.0 |
| 1N5408      | 3.0         | Plastic Axial     | DO-201AD         | 1000                      | 1.2                                  | 3.0 |
| 1N5399      | 1.5         | Plastic Axial     | DO-204AC (DO-15) | 1000                      | 1.4                                  | 1.5 |
| 1N5614      | 1.0         | Glass Axial       | DO-204AP         | 200                       | 1.2                                  | 1.0 |
| 1N5616      | 1.0         | Glass Axial       | DO-204AP         | 400                       | 1.2                                  | 1.0 |
| 1N5618      | 1.0         | Glass Axial       | DO-204AP         | 600                       | 1.2                                  | 1.0 |
| 1N5620      | 1.0         | Glass Axial       | DO-204AP         | 800                       | 1.2                                  | 1.0 |
| 1N5622      | 1.0         | Glass Axial       | DO-204AP         | 1000                      | 1.2                                  | 1.0 |
| S1G         | 1.0         | Plastic SMD*      | DO-214AC (SMA)   | 400                       | 1.1                                  | 1.0 |
| S1M         | 1.0         | Plastic SMD*      | DO-214AC (SMA)   | 400                       | 1.1                                  | 1.0 |
| GL41G       | 1.0         | SUPERECTIFIER SMD | DO-213AB (MELF)  | 400                       | 1.1/1.2                              | 1.0 |

\*Glass passivated die.