

# Rectifier Diodes



$I_{FAV} = 25 - 100 \text{ A}$ , Standard Diodes (DS..), Avalanche Diodes (DSA..)

| Type           | V <sub>RRM</sub><br>V | I <sub>FAV</sub><br>T <sub>C</sub> =100°C<br>A | P <sub>RSM</sub><br>kW | I <sub>FRSM</sub><br>A | I <sub>FSM</sub><br>45°C<br>10 ms<br>A | V <sub>TO</sub><br>V | r <sub>F</sub><br>mΩ | T <sub>VJM</sub><br>°C | R <sub>thJC</sub><br>K/W | R <sub>thCK</sub><br>K/W | Package style              |                                                   |
|----------------|-----------------------|------------------------------------------------|------------------------|------------------------|----------------------------------------|----------------------|----------------------|------------------------|--------------------------|--------------------------|----------------------------|---------------------------------------------------|
|                |                       |                                                |                        |                        |                                        |                      |                      |                        |                          |                          | See outlines<br>on page 31 |                                                   |
| DSAI 17-18 A * | 1800                  | 25                                             | 7                      | 40                     | 370                                    | 0.85                 | 8                    | 180                    | 1.5                      | 0.6                      |                            | Fig. 11 Weight = 6 g<br>DO-203 AA (DO-4)<br>      |
| DSAI 17-16 A   | 1600                  |                                                | 7                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 17-16 A  | 1600                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSAI 17-14 A | 1400                  |                                                | 7                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 17-14 A  | 1400                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSAI 17-12 A   | 1200                  | 25                                             | 7                      | 40                     | 370                                    | 0.85                 | 8                    | 180                    | 1.5                      | 0.6                      |                            |                                                   |
| DSI 17-12 A    | 1200                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 12<br>DO-203 AB (DO-5)<br>Weight = 15 g<br>  |
| DSI 17-08 A    | 800                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 17-06 A  | 600                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 17-04 A  | 400                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 17-02 A  | 200                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSA 35-18 A *  | 1800                  | 52                                             | 11                     | 80                     | 650                                    | 0.85                 | 4.5                  | 180                    | 1.05                     | 0.2                      |                            |                                                   |
| DSA 35-16 A    | 1600                  |                                                | 11                     |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DS 35-16 A   | 1600                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSA 35-14 A  | 1400                  |                                                | 11                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DS 35-14 A   | 1400                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSA 35-12 A    | 1200                  | 52                                             | 11                     | 80                     | 650                                    | 0.85                 | 4.5                  | 180                    | 1.05                     | 0.2                      |                            |                                                   |
| DS 35-12 A     | 1200                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DS 35-08 A     | 800                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DSI 35-06 A  | 600                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-04 A  | 400                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-02 A  | 200                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSAI 35-18 A * | 1800                  | 52                                             | 11                     | 80                     | 650                                    | 0.85                 | 4.5                  | 180                    | 1.05                     | 0.2                      |                            |                                                   |
| DSAI 35-16 A   | 1600                  |                                                | 11                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-16 A  | 1600                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DSAI 35-14 A | 1400                  |                                                | 11                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-14 A  | 1400                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSAI 35-12 A   | 1200                  | 52                                             | 11                     | 80                     | 650                                    | 0.85                 | 4.5                  | 180                    | 1.05                     | 0.2                      |                            |                                                   |
| DSI 35-12 A    | 1200                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSI 35-08 A    | 800                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-06 A  | 600                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DSI 35-04 A  | 400                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 35-02 A  | 200                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSA 75-18 A *  | 1800                  | 100                                            | 20                     | 160                    | 1400                                   | 0.85                 | 2.5                  | 180                    | 0.5                      | 0.3                      |                            |                                                   |
| DSA 75-16 A    | 1600                  |                                                | 20                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DS 75-16 A   | 1600                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSA 75-14 A  | 1400                  |                                                | 20                     |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DS 75-14 A   | 1400                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSA 75-12 A    | 1200                  | 100                                            | 20                     | 160                    | 1400                                   | 0.85                 | 2.5                  | 180                    | 0.5                      | 0.3                      |                            |                                                   |
| DS 75-12 A     | 1200                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DS 75-08 A     | 800                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DS 75-06 A   | 600                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DS 75-04 A   | 400                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| ● DS 75-02 A   | 200                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSAI 75-18 A * | 1800                  | 100                                            | 20                     | 160                    | 1400                                   | 0.85                 | 2.5                  | 180                    | 0.5                      | 0.3                      |                            |                                                   |
| DSAI 75-16 A   | 1600                  |                                                | 20                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 75-16 A  | 1600                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSAI 75-14 A | 1400                  |                                                | 20                     |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 75-14 A  | 1400                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            | Fig. 13<br>~DO-203 AB (DO-5)<br>Weight = 21 g<br> |
| DSAI 75-12 A   | 1200                  | 100                                            | 20                     | 160                    | 1400                                   | 0.85                 | 2.5                  | 180                    | 0.5                      | 0.3                      |                            |                                                   |
| DSI 75-12 A    | 1200                  |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| DSI 75-08 A    | 800                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 75-06 A  | 600                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 75-04 A  | 400                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |
| ● DSI 75-02 A  | 200                   |                                                | -                      |                        |                                        |                      |                      |                        |                          |                          |                            |                                                   |

\* Delivery time on request - Data according to DIN / IEC 747-2

● Part numbers have been replaced by the next higher prime product in this category.

A = Anode, C = Cathode