

# Rectifier diode bridges

| Type                        | V <sub>RRM</sub> | V <sub>RMS</sub> | I <sub>FSM</sub><br>t = 10 ms<br>t <sub>vj</sub> =<br>t <sub>vj max</sub> | I <sub>FAVM</sub><br>Last, Load<br>Charge:<br>R/C | t <sub>vj max</sub> | Outline                        |
|-----------------------------|------------------|------------------|---------------------------------------------------------------------------|---------------------------------------------------|---------------------|--------------------------------|
|                             | V                | V                | A                                                                         | A                                                 | °C                  |                                |
| B 40 C 800 Si, ...D, ...SD  | 100              | 40               | 50                                                                        | 0,9/0,8                                           | 125                 | Si : 102<br>D : 103<br>SD: 104 |
| B 80 C 800 Si, ...D, ...SD  | 190              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 800 Si, ...D, ...SD | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 800 Si, ...D, ...SD | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 800 Si, ...D, ...SD | 900              | 380              |                                                                           |                                                   |                     |                                |
| B 40 C 1000 Si              | 100              | 40               | 50                                                                        | 1,2/1                                             | 125                 | 102                            |
| B 80 C 1000 Si              | 190              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 1000 Si             | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 1000 Si             | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 1000 Si             | 900              | 380              |                                                                           |                                                   |                     |                                |
| B 40 C 1500 Si              | 100              | 40               | 60                                                                        | 1,6/1,5                                           | 125                 | 102                            |
| B 80 C 1500 Si              | 200              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 1500 Si             | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 1500 Si             | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 1500 Si             | 900              | 380              |                                                                           |                                                   |                     |                                |
| B 40 C 1500/1000 Si C       | 100              | 40               | 65                                                                        | 1,2/1<br>1,8/1,5 *                                | 150                 | 105                            |
| B 80 C 1500/1000 Si C       | 200              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 1500/1000 Si C      | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 1500/1000 Si C      | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 1500/1000 Si C      | 900              | 380              |                                                                           |                                                   |                     |                                |
| B 500 C 1500/1000 Si C      | 1200             | 500              |                                                                           |                                                   |                     |                                |
| B 40 C 3700/2200 Si C       | 100              | 40               | 80                                                                        | 2,7/2,2<br>4,8/3,7 *                              | 150                 | 106                            |
| B 80 C 3700/2200 Si C       | 200              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 3700/2200 Si C      | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 3700/2200 Si C      | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 3700/2200 Si C      | 900              | 380              |                                                                           |                                                   |                     |                                |
| B 500 C 3700/2200 Si C      | 1200             | 500              |                                                                           |                                                   |                     |                                |
| B 40 C 5000/3300 Si C       | 100              | 40               | 250                                                                       | 4/3,3<br>6/5 *                                    | 150                 | 106                            |
| B 80 C 5000/3300 Si C       | 200              | 80               |                                                                           |                                                   |                     |                                |
| B 125 C 5000/3300 Si C      | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 250 C 5000/3300 Si C      | 600              | 250              |                                                                           |                                                   |                     |                                |
| B 380 C 5000/3300 Si C      | 900              | 380              |                                                                           |                                                   |                     |                                |
| ■ B 40 C 5000/3300 Si C1    | 100              | 40               | 400                                                                       | 4/3,3<br>6/5 *                                    | 150                 | 106                            |
| ■ B 80 C 5000/3300 Si C1    | 200              | 80               |                                                                           |                                                   |                     |                                |
| ■ B 125 C 5000/3300 Si C1   | 300              | 125              |                                                                           |                                                   |                     |                                |
| ■ B 250 C 5000/3300 Si C1   | 600              | 250              |                                                                           |                                                   |                     |                                |
| ■ B 380 C 5000/3300 Si C1   | 900              | 380              |                                                                           |                                                   |                     |                                |
| ■ B 2 40/ 35-10 Si          | 100              | 40               | 160                                                                       | 5/4<br>7,5/6,5 *                                  | 150                 | 107                            |
| ■ B 2 80/ 70-10 Si          | 200              | 80               |                                                                           |                                                   |                     |                                |
| ■ B 2 125/110-10 Si         | 300              | 125              |                                                                           |                                                   |                     |                                |
| ■ B 2 250/220-10 Si         | 600              | 250              |                                                                           |                                                   |                     |                                |
| ■ B 2 380/340-10 Si         | 900              | 380              |                                                                           |                                                   |                     |                                |
| ■ B 2 500/450-10 Si         | 1200             | 500              |                                                                           |                                                   |                     |                                |
| B 2 30/ 25-30 Si            | 75               | 30               | 280                                                                       | 10/9<br>17/15 **                                  | 175                 | 108                            |
| B 2 60/ 52-30 Si            | 150              | 60               |                                                                           |                                                   |                     |                                |
| B 2 125/110-30 Si           | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 2 250/225-30 Si           | 700              | 250              |                                                                           |                                                   |                     |                                |
| B 2 380/340-30 Si           | 1100             | 380              |                                                                           |                                                   |                     |                                |
| B 2 500/450-30 Si           | 1500             | 500              |                                                                           |                                                   |                     |                                |
| B 6 30/ 38-40 Si            | 75               | 30               | 280                                                                       | 13/12<br>24/22 **                                 | 175                 | 109                            |
| B 6 60/ 78-40 Si            | 150              | 60               |                                                                           |                                                   |                     |                                |
| B 6 125/165-40 Si           | 300              | 125              |                                                                           |                                                   |                     |                                |
| B 6 250/330-40 Si           | 700              | 250              |                                                                           |                                                   |                     |                                |
| B 6 380/500-40 Si           | 1100             | 380              |                                                                           |                                                   |                     |                                |
| B 6 500/670-40 Si           | 1500             | 500              |                                                                           |                                                   |                     |                                |

\*) Kühlblech 200 cm²

\*\*) Kühlblech 400 cm²

■ Not for new design