

# DIODES

## RECTIFIER DIODES (CENTER-TAP TYPE)

| Type No.  | Absolute Maximum Ratings |                                   |                         | Elec. Char. at 25°C                     |     |                                |
|-----------|--------------------------|-----------------------------------|-------------------------|---|-----|--------------------------------|
|           | V <sub>RM</sub><br>(V)   | I <sub>O</sub><br>(A)<br>with Fin | I <sub>FSM</sub><br>(A) | V <sub>F</sub><br>Max. @ I <sub>F</sub> |     | I <sub>R</sub><br>(μA)<br>Max. |
|           |                          |                                   |                         | (V)                                     | (A) |                                |
| FMM-22S,R | 200                      | 10                                | 100                     | 1.1                                     | 5.0 | 10                             |
| FMM-24S,R | 400                      |                                   |                         |   |     |                                |
| FMM-26S,R | 600                      |                                   |                         |   |     |                                |
| FMM-31S,R | 100                      | 20                                | 120                     | 1.1                                     | 10  | 10                             |
| FMM-32S,R | 200                      |                                   |                         |   |     |                                |
| FMM-34S,R | 400                      |                                   |                         |   |     |                                |
| FMM-36S,R | 600                      |                                   |                         |   |     |                                |

## RECTIFIER DIODES (BRIDGE TYPE)

| Type No.  | Absolute Maximum Ratings |                                   |                         | Elec. Char at 25°C                      |     |                                |
|-----------|--------------------------|-----------------------------------|-------------------------|---|-----|--------------------------------|
|           | V <sub>RM</sub><br>(V)   | I <sub>O</sub><br>(A)<br>with Fin | I <sub>FSM</sub><br>(A) | V <sub>F</sub><br>Max. @ I <sub>F</sub> |     | I <sub>R</sub><br>(μA)<br>Max. |
|           |                          |                                   |                         | (V)                                     | (A) |                                |
| RB-150    | 50                       | 1.5<br>(No fin)                   | 40                      | 0.95                                    | 1.0 | 10                             |
| RB-151    | 100                      |                                   |                         |   |     |                                |
| RB-152    | 200                      |                                   |                         |   |     |                                |
| RB-154    | 400                      |                                   |                         |   |     |                                |
| RB-156    | 600                      |                                   |                         |   |     |                                |
| RB-158    | 800                      |                                   |                         |   |     |                                |
| LB-156    | 600                      |                                   |                         |   |     |                                |
| RBA-401   | 100                      | 4.0                               | 80                      | 1.05                                    | 2.0 | 10                             |
| RBA-402   | 200                      |                                   |                         |   |     |                                |
| RBV-404   | 400                      |                                   |                         |   |     |                                |
| RBV-406   | 600                      |                                   |                         |   |     |                                |
| RBV-408   | 800                      |                                   |                         |   |     |                                |
| RBV-406M  | 600                      |                                   |                         |   |     |                                |
| RBV-406H  | 600                      |                                   |                         |   |     |                                |
| RBV-601   | 100                      | 6.0                               | 120                     | 1.0                                     | 3.0 | 10                             |
| RBV-602   | 200                      |                                   |                         |   |     |                                |
| RBV-604   | 400                      |                                   |                         |   |     |                                |
| RBV-606   | 600                      |                                   |                         |   |     |                                |
| RBV-608   | 800                      |                                   |                         |   |     |                                |
| RBV-606H  | 600                      |                                   |                         |   |     |                                |
| RBV-1506S | 600                      |                                   |                         |   |     |                                |
| RBV-1506  | 600                      | 15                                | 200                     | 7.5                                     | 10  | 10                             |
| RBV-2506  | 600                      |                                   |                         |   |     |                                |

Sanken discrete power devices are available from Allegro MicroSystems.  
Contact local representative for additional information.

## MICROWAVE OVEN DIODES

| Type No.   | Absolute Maximum Ratings       |                        |                         | Elec. Char. at 25°C                     |     |                                |
|------------|--------------------------------|------------------------|-------------------------|---|-----|--------------------------------|
|            | V <sub>RM</sub><br>(V)<br>(kV) | I <sub>O</sub><br>(mA) | I <sub>FSM</sub><br>(A) | V <sub>F</sub><br>Max. @ I <sub>F</sub> |     | I <sub>R</sub><br>(μA)<br>Max. |
|            |                                |                        |                         | (V)                                     | (A) |                                |
| HVR-1X-40B | 9                              | 350                    | 20                      | 9                                       | 350 | 10                             |
| UX-F0B     | 8                              | 350                    | 15                      | 16                                      | 350 | 10                             |

## HIGH VOLTAGE RECTIFIER DIODES

| Type No.  | Absolute Maximum Ratings |                        |                         |                        | Elec. Char. at 25°C                     |     |                                |                                 |
|-----------|--------------------------|------------------------|-------------------------|------------------------|---|-----|--------------------------------|---------------------------------|
|           | V <sub>RM</sub><br>(kV)  | I <sub>O</sub><br>(mA) | I <sub>FSM</sub><br>(A) | T <sub>C</sub><br>(°C) | V <sub>F</sub><br>Max. @ I <sub>F</sub> |     | I <sub>R</sub><br>(μA)<br>Max. | t <sub>rr</sub><br>(μs)<br>Max. |
|           |                          |                        |                         |                        | (V)                                     | (A) |                                |                                 |
| SHV-02    | 2                        | 2.0                    | 0.3                     | 100                    | 16                                      | 10  | 1.0                            | 0.18                            |
| SHV-03S   | 3                        |                        |                         |                        | 16                                      |     |                                |                                 |
| SHV-03    | 3                        |                        |                         |                        | 16                                      |     |                                |                                 |
| SHV-06    | 6                        |                        |                         |                        | 26                                      |     |                                |                                 |
| SHV-08    | 8                        |                        |                         |                        | 36                                      |     |                                |                                 |
| SHV-10    | 10                       |                        |                         |                        | 40                                      |     |                                |                                 |
| SHV-12    | 12                       |                        |                         |                        | 45                                      |     |                                |                                 |
| SHV-14    | 14                       |                        |                         |                        | 55                                      |     |                                |                                 |
| SHV-16    | 16                       |                        |                         |                        | 60                                      |     |                                |                                 |
| SHV-20    | 20                       |                        |                         |                        | 75                                      |     |                                |                                 |
| SHV-24    | 24                       | 75                     |                         |                        |   |     |                                |                                 |
| SHV-06NK  | 6                        | 2.0                    | 0.5                     | 100                    | 26                                      | 10  | 1.0                            | 0.18                            |
| SHV-08NK  | 8                        |                        |                         |                        | 36                                      |     |                                |                                 |
| SHV-10K   | 10                       |                        |                         |                        | 40                                      |     |                                |                                 |
| SHV-12K   | 12                       |                        |                         |                        | 45                                      |     |                                |                                 |
| SHV-06UNK | 6                        |                        |                         |                        | 48                                      |     |                                |                                 |
| SHV-08UNK | 8                        |                        |                         |                        | 60                                      |     |                                |                                 |
| SHV-10UK  | 10                       |                        |                         |                        | 60                                      |     |                                |                                 |
| SHV-12UK  | 12                       |                        |                         |                        | 68                                      |     |                                |                                 |
| SHV-16UK  | 16                       |                        |                         |                        | 90                                      |     |                                |                                 |
| SHV-08XN  | 8                        |                        |                         |                        | 60                                      |     |                                |                                 |