

## HIGH POWER SCHOTTKY RECTIFIERS HALF PAK DEVICES

| Part No. | Maximum Recurrent Peak Reverse Voltage | Maximum Average Forward Rectified Current |    | Peak forward Surge Current<br>8.3ms Single Half Sine-Wave Superimposed On Rated Load | Maximum DC Instantaneous Reverse Current<br>@V <sub>RRM</sub> |       | Maximum Instantaneous Forward Voltage<br>@25°C |                |
|----------|--|---|----|--|---|-------|--|----------------|
|          | V <sub>RRM</sub>                       | I <sub>O</sub> @T <sub>C</sub>            |    | I <sub>FSM</sub>   | I <sub>R</sub> @T <sub>J</sub>                                |       | V <sub>F</sub>                                 | I <sub>F</sub> |
|          |  | A   | °C |  | A   | @25°C |  |                |
|          | V <sub>PK</sub>                        |   |    | A  | mA  | mA    | V  | A              |



### 120AMP / SCHOTTKY RECTIFIER / D-67(HALF PAK)

SEE THE PACKAGE ON PAGE 42

|               |     |     |     |      |   |    |      |     |
|---------------|-----|-----|-----|------|---|----|------|-----|
| MBRH12020(R)  | 20  | 120 | 136 | 2000 | 1 | 20 | 0.70 | 120 |
| MBRH12030(R)  | 30  | 120 | 136 | 2000 | 1 | 20 | 0.75 | 120 |
| MBRH12035(R)  | 35  | 120 | 136 | 2000 | 1 | 20 | 0.75 | 120 |
| MBRH12040(R)  | 40  | 120 | 136 | 2000 | 1 | 20 | 0.75 | 120 |
| MBRH12045(R)  | 45  | 120 | 136 | 2000 | 1 | 20 | 0.75 | 120 |
| MBRH12060(R)  | 60  | 120 | 136 | 2000 | 1 | 20 | 0.80 | 120 |
| MBRH12080(R)  | 80  | 120 | 136 | 2000 | 1 | 20 | 0.88 | 120 |
| MBRH120100(R) | 100 | 120 | 136 | 2000 | 1 | 20 | 0.88 | 120 |

T<sub>J</sub> and T<sub>stg</sub> of -40°C to +150°C

T<sub>I</sub>FSM for 25°C<sub>n</sub>

With Suffix R for Cathode



### 200AMP / SCHOTTKY RECTIFIER / D-67(HALF PAK)

SEE THE PACKAGE ON PAGE 42

|               |     |     |     |      |   |    |      |     |
|---------------|-----|-----|-----|------|---|----|------|-----|
| MBRH20020(R)  | 20  | 200 | 136 | 3000 | 1 | 20 | 0.70 | 200 |
| MBRH20030(R)  | 30  | 200 | 136 | 3000 | 1 | 20 | 0.75 | 200 |
| MBRH20035(R)  | 35  | 200 | 136 | 3000 | 1 | 20 | 0.75 | 200 |
| MBRH20040(R)  | 40  | 200 | 136 | 3000 | 1 | 20 | 0.75 | 200 |
| MBRH20045(R)  | 45  | 200 | 136 | 3000 | 1 | 20 | 0.75 | 200 |
| MBRH20060(R)  | 60  | 200 | 136 | 3000 | 1 | 20 | 0.80 | 200 |
| MBRH20080(R)  | 80  | 200 | 136 | 3000 | 1 | 20 | 0.88 | 200 |
| MBRH200100(R) | 100 | 200 | 136 | 3000 | 1 | 20 | 0.88 | 200 |

T<sub>J</sub> and T<sub>stg</sub> of -40°C to +150°C

T<sub>I</sub>FSM for 25°C<sub>n</sub>

With Suffix R for Cathode



### 240AMP / SCHOTTKY RECTIFIER / D-67(HALF PAK)

SEE THE PACKAGE ON PAGE 42

|               |     |     |     |      |   |    |      |     |
|---------------|-----|-----|-----|------|---|----|------|-----|
| MBRH24020(R)  | 20  | 240 | 140 | 3300 | 1 | 20 | 0.70 | 240 |
| MBRH24030(R)  | 30  | 240 | 140 | 3300 | 1 | 20 | 0.75 | 240 |
| MBRH24035(R)  | 35  | 240 | 140 | 3300 | 1 | 20 | 0.75 | 240 |
| MBRH24040(R)  | 40  | 240 | 140 | 3300 | 1 | 20 | 0.75 | 240 |
| MBRH24045(R)  | 45  | 240 | 140 | 3300 | 1 | 20 | 0.75 | 240 |
| MBRH24060(R)  | 60  | 240 | 140 | 3300 | 1 | 20 | 0.80 | 240 |
| MBRH24080(R)  | 80  | 240 | 140 | 3300 | 1 | 20 | 0.88 | 240 |
| MBRH240100(R) | 100 | 240 | 140 | 3300 | 1 | 20 | 0.88 | 240 |

T<sub>J</sub> and T<sub>stg</sub> of -40°C to +150°C

T<sub>I</sub>FSM for 25°C<sub>n</sub>

With Suffix R for Cathode