



# SCHOTTKY BARRIER RECTIFIERS

| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |

## 1.0 AMPERE SCHOTTKY

|        |     |     |    |     |     |     |     |       |
|--------|-----|-----|----|-----|-----|-----|-----|-------|
| 1N5817 | 20  | 1.0 | 90 | 25  | 1.0 | 1.0 | .45 | DO-41 |
| 1N5818 | 30  |     | 90 | 25  | 1.0 | 1.0 | .55 |       |
| 1N5819 | 40  |     | 90 | 25  | 1.0 | 1.0 | .60 |       |
| SR102  | 20  |     | 90 | 25  | 1.0 | 1.0 | .45 |       |
| SR103  | 30  |     | 90 | 25  | 1.0 | 1.0 | .55 |       |
| SR104  | 40  |     | 90 | 25  | 1.0 | 1.0 | .60 |       |
| SR105  | 50  |     | 75 | 30  | 0.5 | 1.0 | .70 |       |
| SR106  | 60  |     | 75 | 30  | 0.5 | 1.0 | .70 |       |
| SR108  | 80  |     | 75 | 30  | 0.5 | 1.0 | .85 |       |
| SR1010 | 100 | 75  | 30 | 0.5 | 1.0 | .85 |     |       |

## 1.0 AMPERE SCHOTTKY

|      |     |     |    |     |     |     |     |     |
|------|-----|-----|----|-----|-----|-----|-----|-----|
| 1N17 | 20  | 1.0 | 90 | 25  | 0.5 | 1.0 | .45 | R-1 |
| 1N18 | 30  |     | 90 | 25  | 0.5 | 1.0 | .55 |     |
| 1N19 | 40  |     | 90 | 25  | 0.5 | 1.0 | .60 |     |
| 1S20 | 20  |     | 75 | 35  | 0.5 | 1.0 | .55 |     |
| 1S30 | 30  |     | 75 | 35  | 0.5 | 1.0 | .55 |     |
| 1S40 | 40  |     | 75 | 35  | 0.5 | 1.0 | .55 |     |
| 1S50 | 50  |     | 75 | 35  | 0.5 | 1.0 | .70 |     |
| 1S60 | 60  |     | 75 | 35  | 0.5 | 1.0 | .70 |     |
| 1S80 | 80  |     | 75 | 35  | 0.5 | 1.0 | .85 |     |
| 1SA0 | 100 | 75  | 35 | 0.5 | 1.0 | .85 |     |     |

## 2.0 AMPERE SCHOTTKY

|        |     |     |     |    |     |     |     |       |
|--------|-----|-----|-----|----|-----|-----|-----|-------|
| SB220  | 20  | 2.0 | 100 | 50 | 0.5 | 2.0 | .50 | DO-15 |
| SB230  | 30  |     | 100 | 50 | 0.5 | 2.0 | .50 |       |
| SB240  | 40  |     | 100 | 50 | 0.5 | 2.0 | .50 |       |
| SB250  | 50  |     | 100 | 50 | 0.5 | 2.0 | .70 |       |
| SB260  | 60  |     | 100 | 50 | 0.5 | 2.0 | .70 |       |
| SB280  | 80  |     | 75  | 50 | 0.5 | 2.0 | .85 |       |
| SB2010 | 100 |     | 75  | 50 | 0.5 | 2.0 | .85 |       |

## 2.0 AMPERE SCHOTTKY

|        |     |     |     |    |     |     |     |       |
|--------|-----|-----|-----|----|-----|-----|-----|-------|
| SR202  | 20  | 2.0 | 95  | 50 | 1.0 | 2.0 | .55 | DO-41 |
| SR203  | 30  |     | 95  | 50 | 1.0 | 2.0 | .55 |       |
| SR204  | 40  |     | 95  | 50 | 1.0 | 2.0 | .55 |       |
| SR206  | 60  |     | 100 | 50 | 1.0 | 2.0 | .70 |       |
| SR208  | 80  |     | 100 | 50 | 1.0 | 2.0 | .85 |       |
| SR2010 | 100 |     | 100 | 50 | 1.0 | 2.0 | .85 |       |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |



### 3.0 ~ 8.0 AMPERE SCHOTTKY

|        |     |     |     |     |     |     |      |          |
|--------|-----|-----|-----|-----|-----|-----|------|----------|
| 1N5820 | 20  |     | 85  | 80  | 0.5 | 3.0 | .475 | DO-201AD |
| 1N5821 | 30  |     | 85  | 80  | 0.5 | 3.0 | .500 |          |
| 1N5822 | 40  |     | 85  | 80  | 0.5 | 3.0 | .525 |          |
| SR302  | 20  | 3.0 | 85  | 80  | 0.5 | 3.0 | .50  |          |
| SR303  | 30  |     | 85  | 80  | 0.5 | 3.0 | .50  |          |
| SR304  | 40  |     | 85  | 80  | 0.5 | 3.0 | .50  |          |
| SR305  | 50  |     | 85  | 80  | 1.0 | 3.0 | .72  |          |
| SR306  | 60  |     | 85  | 80  | 1.0 | 3.0 | .72  |          |
| SR308  | 80  |     | 85  | 80  | 1.0 | 3.0 | .85  |          |
| SR3010 | 100 |     | 85  | 80  | 1.0 | 3.0 | .85  |          |
| SR3150 | 150 |     | 100 | 80  | 1.5 | 5.0 | .92  |          |
| SR502  | 20  | 5.0 | 85  | 150 | 1.0 | 5.0 | .55  |          |
| SR503  | 30  |     | 85  | 150 | 1.0 | 5.0 | .55  |          |
| SR504  | 40  |     | 85  | 150 | 1.0 | 5.0 | .55  |          |
| SR505  | 50  |     | 85  | 150 | 1.0 | 5.0 | .70  |          |
| SR506  | 60  |     | 85  | 150 | 1.0 | 5.0 | .70  |          |
| SR508  | 80  |     | 85  | 150 | 1.0 | 5.0 | .85  |          |
| SR5010 | 100 |     | 85  | 150 | 1.0 | 5.0 | .85  |          |
| SR5200 | 200 |     | 100 | 150 | 0.5 | 5.0 | 0.95 |          |
| SR802  | 20  | 8.0 | 90  | 175 | 0.5 | 8.0 | .65  |          |
| SR803  | 30  |     | 90  | 175 | 0.5 | 8.0 | .65  |          |
| SR804  | 40  |     | 90  | 175 | 0.5 | 8.0 | .65  |          |
| SR805  | 50  |     | 90  | 175 | 0.5 | 8.0 | .70  |          |
| SR806  | 60  |     | 90  | 175 | 0.5 | 8.0 | .70  |          |
| SR808  | 80  |     | 90  | 175 | 0.5 | 8.0 | .85  |          |
| SR810  | 100 |     | 90  | 175 | 0.5 | 8.0 | .85  |          |



### 10 AMPERE SCHOTTKY

|          |     |    |     |     |      |      |     |          |
|----------|-----|----|-----|-----|------|------|-----|----------|
| MBR1020  | 20  | 10 | 125 | 150 | 0.1  | 20.0 | .84 | TO-220AC |
| MBR1030  | 30  |    | 125 | 150 | 0.1  | 20.0 | .84 |          |
| MBR1035  | 35  |    | 125 | 150 | 0.1  | 20.0 | .84 |          |
| MBR1040  | 40  |    | 125 | 150 | 0.1  | 20.0 | .84 |          |
| MBR1045  | 45  |    | 125 | 150 | 0.1  | 20.0 | .95 |          |
| MBR1060  | 60  |    | 125 | 150 | 0.15 | 20.0 | .95 |          |
| MBR1080  | 80  |    | 125 | 150 | 0.15 | 10.0 | .84 |          |
| MBR10100 | 100 |    | 125 | 150 | 0.15 | 10.0 | .84 |          |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |



### 10 AMPERE SCHOTTKY

|        |    |    |    |     |     |    |     |     |
|--------|----|----|----|-----|-----|----|-----|-----|
| SR1045 | 45 | 10 | 95 | 275 | 0.5 | 10 | .55 | R-6 |
|--------|----|----|----|-----|-----|----|-----|-----|



### 10 AMPERE SCHOTTKY

|           |     |    |     |     |     |    |     |           |
|-----------|-----|----|-----|-----|-----|----|-----|-----------|
| MBR1020F  | 20  | 10 | 100 | 150 | 0.5 | 10 | .55 | ITO-220AC |
| MBR1030F  | 30  |    | 100 | 150 | 0.5 | 10 | .55 |           |
| MBR1040F  | 40  |    | 100 | 150 | 0.5 | 10 | .55 |           |
| MBR1050F  | 50  |    | 100 | 150 | 0.5 | 10 | .75 |           |
| MBR1060F  | 60  |    | 100 | 150 | 0.5 | 10 | .75 |           |
| MBR1080F  | 80  |    | 100 | 150 | 0.5 | 10 | .75 |           |
| MBR1090F  | 90  |    | 100 | 150 | 0.5 | 10 | .85 |           |
| MBR10100F | 100 |    | 100 | 150 | 0.5 | 10 | .85 |           |



### 10 AMPERE SCHOTTKY

|            |     |    |     |     |      |     |     |          |
|------------|-----|----|-----|-----|------|-----|-----|----------|
| MBR1030CT  | 30  | 10 | 105 | 125 | 0.1  | 5.0 | .70 | TO-220AB |
| MBR1035CT  | 35  |    | 105 | 125 | 0.1  | 5.0 | .70 |          |
| MBR1040CT  | 40  |    | 105 | 125 | 0.1  | 5.0 | .70 |          |
| MBR1045CT  | 45  |    | 105 | 125 | 0.1  | 5.0 | .70 |          |
| MBR1050CT  | 50  |    | 105 | 125 | 0.1  | 5.0 | .80 |          |
| MBR1060CT  | 60  |    | 105 | 125 | 0.1  | 5.0 | .80 |          |
| MBR1080CT  | 80  |    | 100 | 120 | 0.1  | 5.0 | .85 |          |
| MBR10100CT | 100 |    | 100 | 120 | 0.1  | 5.0 | .85 |          |
| MBR10150CT | 150 |    | 155 | 120 | 0.05 | 5.0 | .92 |          |



### 15~ 16 AMPERE SCHOTTKY

|          |     |    |     |     |     |    |     |          |
|----------|-----|----|-----|-----|-----|----|-----|----------|
| MBR1520  | 20  | 15 | 125 | 150 | 0.2 | 15 | .63 | TO-220AC |
| MBR1530  | 30  |    | 125 | 150 | 0.2 | 15 | .63 |          |
| MBR1535  | 35  |    | 125 | 150 | 0.2 | 15 | .63 |          |
| MBR1540  | 40  |    | 125 | 150 | 0.2 | 15 | .63 |          |
| MBR1545  | 45  |    | 125 | 150 | 0.2 | 15 | .63 |          |
| MBR1560  | 60  |    | 125 | 150 | 0.2 | 15 | .75 |          |
| MBR1580  | 80  |    | 125 | 150 | 0.2 | 15 | .84 |          |
| MBR15100 | 100 |    | 125 | 150 | 0.2 | 15 | .84 |          |
| MBR1620  | 20  | 16 | 125 | 150 | 0.2 | 16 | .63 |          |
| MBR1630  | 30  |    | 125 | 150 | 0.2 | 16 | .63 |          |
| MBR1635  | 35  |    | 125 | 150 | 0.2 | 16 | .63 |          |
| MBR1640  | 40  |    | 125 | 150 | 0.2 | 16 | .63 |          |
| MBR1645  | 45  |    | 125 | 150 | 0.2 | 16 | .63 |          |
| MBR1660  | 60  |    | 125 | 150 | 1.0 | 16 | .75 |          |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |



### 10 ~ 30 AMPERE SCHOTTKY

|             |     |    |     |     |      |     |     |           |
|-------------|-----|----|-----|-----|------|-----|-----|-----------|
| MBR1020FCT  | 20  | 10 | 100 | 120 | 0.1  | 5.0 | .70 | ITO-220AB |
| MBR1030FCT  | 30  |    | 100 | 120 | 0.1  | 5.0 | .70 |           |
| MBR1040FCT  | 40  |    | 100 | 120 | 0.1  | 5.0 | .70 |           |
| MBR1045FCT  | 45  |    | 100 | 120 | 0.1  | 5.0 | .70 |           |
| MBR1050FCT  | 50  |    | 100 | 120 | 0.1  | 5.0 | .80 |           |
| MBR1060FCT  | 60  |    | 100 | 120 | 0.1  | 5.0 | .80 |           |
| MBR1080FCT  | 80  |    | 100 | 120 | 0.2  | 5.0 | .85 |           |
| MBR10100FCT | 100 |    | 100 | 120 | 0.2  | 5.0 | .85 |           |
| MBR10150FCT | 150 |    | 100 | 120 | 0.05 | 5.0 | .92 |           |
| MBR1620FCT  | 20  | 16 | 90  | 150 | 0.5  | 8.0 | .55 |           |
| MBR1630FCT  | 30  |    | 90  | 150 | 0.5  | 8.0 | .55 |           |
| MBR1640FCT  | 40  |    | 90  | 150 | 0.5  | 8.0 | .55 |           |
| MBR1650FCT  | 50  |    | 90  | 150 | 0.5  | 8.0 | .75 |           |
| MBR1660FCT  | 60  |    | 90  | 150 | 0.5  | 8.0 | .75 |           |
| MBR1680FCT  | 80  |    | 90  | 150 | 0.5  | 8.0 | .85 |           |
| MBR16100FCT | 100 |    | 90  | 150 | 0.5  | 8.0 | .85 |           |
| MBR2020FCT  | 20  | 20 | 120 | 150 | 0.1  | 10  | .70 |           |
| MBR2030FCT  | 30  |    | 120 | 150 | 0.1  | 10  | .70 |           |
| MBR2035FCT  | 35  |    | 120 | 150 | 0.1  | 10  | .70 |           |
| MBR2040FCT  | 40  |    | 120 | 150 | 0.1  | 10  | .70 |           |
| MBR2045FCT  | 45  |    | 120 | 150 | 0.1  | 10  | .70 |           |
| MBR2060FCT  | 60  |    | 120 | 150 | 0.15 | 10  | .80 |           |
| MBR2080FCT  | 80  |    | 120 | 150 | 0.15 | 10  | .85 |           |
| MBR20100FCT | 100 |    | 120 | 150 | 0.15 | 10  | .85 |           |
| MBR20120FCT | 120 |    | 120 | 150 | 0.5  | 10  | .83 |           |
| MBR20200FCT | 200 |    | 115 | 150 | 0.05 | 10  | .95 |           |
| MBR2535FCT  | 35  | 25 | 130 | 150 | 0.2  | 30  | .82 |           |
| MBR2545FCT  | 45  |    | 130 | 150 | 0.2  | 30  | .82 |           |
| MBR2550FCT  | 50  |    | 130 | 150 | 1.0  | 15  | .75 |           |
| MBR2560FCT  | 60  |    | 130 | 150 | 1.0  | 15  | .75 |           |
| MBR3020FCT  | 20  | 30 | 100 | 200 | 0.5  | 15  | .60 |           |
| MBR3030FCT  | 30  |    | 100 | 200 | 0.5  | 15  | .60 |           |
| MBR3040FCT  | 40  |    | 100 | 200 | 0.5  | 15  | .60 |           |
| MBR3045FCT  | 45  |    | 100 | 200 | 0.5  | 15  | .60 |           |
| MBR3060FCT  | 60  |    | 100 | 200 | 0.5  | 15  | .75 |           |
| MBR3080FCT  | 80  |    | 100 | 200 | 0.5  | 15  | .85 |           |
| MBR30100FCT | 100 |    | 100 | 200 | 0.5  | 15  | .85 |           |
| MBR30150FCT | 150 |    | 100 | 200 | 0.5  | 15  | .90 |           |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ V <sub>RWM</sub> | Maximum Forward Voltage |                 | Package |
|-------------|------------------------------|---|----|---|--|-------------------------|-----------------|---------|
|             | V <sub>RWM</sub>             | I <sub>F(AV)</sub> @ T <sub>L</sub>                     |    | I <sub>FSM</sub>                                | I <sub>R</sub>                             | I <sub>FM</sub>         | V <sub>FM</sub> |         |
|             | V                            | A   | °C | A   | mA   | A                       | V               |         |



### 15 ~ 30 AMPERE SCHOTTKY

|            |     |    |     |     |       |      |     |          |
|------------|-----|----|-----|-----|-------|------|-----|----------|
| MBR1520CT  | 20  | 15 | 125 | 150 | 0.1   | 15   | .84 | TO-220AB |
| MBR1530CT  | 30  |    | 125 | 150 | 0.1   | 15   | .84 |          |
| MBR1535CT  | 35  |    | 125 | 150 | 0.1   | 15   | .84 |          |
| MBR1540CT  | 40  |    | 125 | 150 | 0.1   | 15   | .84 |          |
| MBR1545CT  | 45  |    | 125 | 150 | 0.1   | 15   | .84 |          |
| MBR1560CT  | 60  |    | 125 | 150 | 1.0   | 15   | .90 |          |
| MBR1580CT  | 80  |    | 125 | 150 | 1.0   | 15   | .95 |          |
| MBR15100CT | 100 |    | 125 | 150 | 1.0   | 15   | .95 |          |
| MBR1620CT  | 20  | 16 | 100 | 125 | 0.1   | 8.0  | .70 |          |
| MBR1630CT  | 30  |    | 100 | 125 | 0.1   | 8.0  | .70 |          |
| MBR1635CT  | 35  |    | 100 | 125 | 0.1   | 8.0  | .70 |          |
| MBR1640CT  | 40  |    | 100 | 125 | 0.1   | 8.0  | .70 |          |
| MBR1645CT  | 45  |    | 100 | 125 | 0.1   | 8.0  | .70 |          |
| MBR1660CT  | 60  |    | 100 | 125 | 0.1   | 8.0  | .80 |          |
| MBR16100CT | 100 |    | 100 | 125 | 100   | 8.0  | .85 |          |
| MBR2020CT  | 20  | 20 | 120 | 150 | 0.1   | 10.0 | .70 |          |
| MBR2030CT  | 30  |    | 120 | 150 | 0.1   | 10.0 | .70 |          |
| MBR2035CT  | 35  |    | 120 | 150 | 0.1   | 10.0 | .70 |          |
| MBR2040CT  | 40  |    | 120 | 150 | 0.1   | 10.0 | .70 |          |
| MBR2045CT  | 45  |    | 120 | 150 | 0.1   | 10.0 | .70 |          |
| MBR2060CT  | 60  |    | 120 | 150 | 0.15  | 10.0 | .80 |          |
| MBR2080CT  | 80  |    | 120 | 150 | 0.15  | 10.0 | .85 |          |
| MBR20100CT | 100 |    | 120 | 150 | 0.15  | 10.0 | .85 |          |
| MBR20120CT | 120 |    | 120 | 150 | 0.5   | 10.0 | .83 |          |
| MBR20150CT | 150 |    | 150 | 180 | 0.025 | 10.0 | .92 |          |
| MBR20200CT | 200 |    | 125 | 150 | 0.05  | 10.0 | .95 |          |
| MBR2520CT  | 20  | 25 | 130 | 150 | 0.2   | 30.0 | .82 |          |
| MBR2530CT  | 30  |    | 130 | 150 | 0.2   | 30.0 | .82 |          |
| MBR2535CT  | 35  |    | 130 | 150 | 0.2   | 30.0 | .82 |          |
| MBR2540CT  | 40  |    | 130 | 150 | 0.2   | 30.0 | .82 |          |
| MBR2545CT  | 45  |    | 130 | 150 | 1.0   | 15.0 | .75 |          |
| MBR2560CT  | 60  |    | 130 | 150 | 1.0   | 15.0 | .75 |          |
| MBR3030CT  | 30  | 30 | 100 | 200 | 0.2   | 15   | .70 |          |
| MBR3035CT  | 35  |    | 100 | 200 | 0.2   | 15   | .70 |          |
| MBR3040CT  | 40  |    | 100 | 200 | 0.2   | 15   | .70 |          |
| MBR3045CT  | 45  |    | 100 | 200 | 0.2   | 15   | .70 |          |
| MBR3050CT  | 50  |    | 100 | 200 | 0.2   | 15   | .80 |          |
| MBR3060CT  | 60  |    | 100 | 200 | 0.2   | 15   | .80 |          |
| MBR30100CT | 100 |    | 100 | 200 | 0.5   | 15   | .85 |          |
| MBR30150CT | 150 |    | 100 | 200 | 0.1   | 15   | .90 |          |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |

### 1.0 AMPERE SCHOTTKY

|           |    |     |    |    |     |     |     |         |
|-----------|----|-----|----|----|-----|-----|-----|---------|
| MBRX120LF | 20 | 1.0 | 90 | 12 | 1.0 | 1.0 | .36 | SOD-123 |
| MBRX120   | 20 |     | 90 | 20 | 0.3 | 1.0 | .50 |         |
| MBRX130   | 30 |     | 90 | 20 | 0.3 | 1.0 | .55 |         |
| MBRX140   | 40 |     | 90 | 20 | 0.3 | 1.0 | .55 |         |
| MBRX160   | 60 |     | 90 | 20 | 0.3 | 1.0 | .72 |         |
|           |    |     | 90 | 20 | 0.3 | 1.0 | .72 |         |

### 1.0 AMPERE SCHOTTKY

|        |     |     |     |    |     |     |     |      |
|--------|-----|-----|-----|----|-----|-----|-----|------|
| SS12E  | 20  | 1.0 | 100 | 30 | 0.5 | 1.0 | .60 | SMAE |
| SS13E  | 30  |     | 100 | 30 | 0.5 | 1.0 | .60 |      |
| SS14E  | 40  |     | 100 | 30 | 0.5 | 1.0 | .60 |      |
| SS15E  | 50  |     | 100 | 30 | 0.5 | 1.0 | .70 |      |
| SS16E  | 60  |     | 100 | 30 | 0.5 | 1.0 | .70 |      |
| SS18E  | 80  |     | 100 | 30 | 0.5 | 1.0 | .85 |      |
| SS110E | 100 |     | 100 | 30 | 0.5 | 1.0 | .85 |      |
|        |     |     | 100 | 30 | 0.5 | 1.0 | .85 |      |

### 1.0 AMPERE SCHOTTKY

|            |     |     |    |    |     |     |      |           |
|------------|-----|-----|----|----|-----|-----|------|-----------|
| MBRX120LSF | 20  | 1.0 | 90 | 50 | 0.4 | 1.0 | 0.45 | SOD-123FL |
| MBR130LSF  | 30  |     | 90 | 30 | 1.0 | 1.0 | 0.38 |           |
| SM5817PL   | 20  |     | 90 | 30 | 0.1 | 1.0 | 0.45 |           |
| SM5818PL   | 30  |     | 90 | 30 | 0.1 | 1.0 | 0.56 |           |
| SM5819PL   | 40  |     | 90 | 30 | 0.1 | 1.0 | 0.60 |           |
| SMD15PL    | 50  |     | 90 | 30 | 0.5 | 1.0 | 0.70 |           |
| SMD16PL    | 60  |     | 90 | 30 | 0.5 | 1.0 | 0.70 |           |
| SMD18PL    | 80  |     | 90 | 30 | 0.5 | 1.0 | 0.85 |           |
| SMD110PL   | 100 |     | 90 | 30 | 0.5 | 1.0 | 0.85 |           |
| SMD1150PL  | 150 |     | 90 | 30 | 0.5 | 1.0 | 0.85 |           |
|            |     |     | 90 | 30 | 0.5 | 1.0 | 0.85 |           |

### 1.0 AMPERE SCHOTTKY

|       |     |     |     |    |     |     |     |     |
|-------|-----|-----|-----|----|-----|-----|-----|-----|
| SS12  | 20  | 1.0 | 100 | 30 | 0.5 | 1.0 | .45 | SMA |
| SS13  | 30  |     | 100 | 30 | 0.5 | 1.0 | .55 |     |
| SS14  | 40  |     | 100 | 30 | 0.5 | 1.0 | .60 |     |
| SS15  | 50  |     | 100 | 30 | 0.5 | 1.0 | .70 |     |
| SS16  | 60  |     | 100 | 30 | 0.5 | 1.0 | .70 |     |
| SS18  | 80  |     | 100 | 30 | 0.5 | 1.0 | .85 |     |
| SS110 | 100 |     | 100 | 30 | 0.5 | 1.0 | .85 |     |
|       |     |     | 100 | 30 | 0.5 | 1.0 | .85 |     |

### 1.0 AMPERE SCHOTTKY

|       |     |     |    |    |     |     |     |     |
|-------|-----|-----|----|----|-----|-----|-----|-----|
| SK12  | 20  | 1.0 | 90 | 30 | 0.5 | 1.0 | .45 | SMB |
| SK13  | 30  |     | 90 | 30 | 0.5 | 1.0 | .55 |     |
| SK14  | 40  |     | 90 | 30 | 0.5 | 1.0 | .60 |     |
| SK15  | 50  |     | 90 | 30 | 0.5 | 1.0 | .72 |     |
| SK16  | 60  |     | 90 | 30 | 0.5 | 1.0 | .72 |     |
| SK18  | 80  |     | 90 | 30 | 0.5 | 1.0 | .85 |     |
| SK110 | 100 |     | 90 | 30 | 0.5 | 1.0 | .85 |     |
|       |     |     | 90 | 30 | 0.5 | 1.0 | .85 |     |



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ V <sub>RWM</sub> | Maximum Forward Voltage |                 | Package |
|-------------|------------------------------|---|----|---|--|-------------------------|-----------------|---------|
|             | V <sub>RWM</sub>             | I <sub>F(AV)</sub> @ T <sub>L</sub>                     |    | I <sub>FSM</sub>                                | I <sub>R</sub>                             | I <sub>FM</sub>         | V <sub>FM</sub> |         |
|             | V                            | A   | °C | A   | mA   | A                       | V               |         |

## 2.0 AMPERE SCHOTTKY



|          |     |     |    |    |     |     |     |           |
|----------|-----|-----|----|----|-----|-----|-----|-----------|
| SMD22PL  | 20  | 2.0 | 90 | 50 | 0.5 | 2.0 | .50 | SOD-123FL |
| SMD24PL  | 40  |     | 90 | 50 | 0.5 | 2.0 | .50 |           |
| SMD26PL  | 60  |     | 90 | 50 | 0.5 | 2.0 | .70 |           |
| SMD28PL  | 80  |     | 90 | 50 | 0.5 | 2.0 | .85 |           |
| SMD210PL | 100 |     | 90 | 50 | 0.5 | 2.0 | .85 |           |

## 2.0 AMPERE SCHOTTKY



|       |     |     |     |    |     |     |     |     |
|-------|-----|-----|-----|----|-----|-----|-----|-----|
| SS22  | 20  | 2.0 | 100 | 50 | 0.5 | 2.0 | .55 | SMA |
| SS23  | 30  |     | 100 | 50 | 0.5 | 2.0 | .55 |     |
| SS24  | 40  |     | 100 | 50 | 0.5 | 2.0 | .55 |     |
| SS25  | 50  |     | 100 | 50 | 0.5 | 2.0 | .70 |     |
| SS26  | 60  |     | 100 | 50 | 0.5 | 2.0 | .70 |     |
| SS28  | 80  |     | 100 | 50 | 0.5 | 2.0 | .85 |     |
| SS210 | 100 |     | 100 | 50 | 0.5 | 2.0 | .85 |     |

\*Note: Also can be made for Lead Frame Package

## 2.0 AMPERE SCHOTTKY



|       |     |     |     |    |     |     |     |     |
|-------|-----|-----|-----|----|-----|-----|-----|-----|
| SK22  | 20  | 2.0 | 90  | 50 | 0.5 | 2.0 | .55 | SMB |
| SK225 | 25  |     | 105 | 50 | 0.5 | 2.0 | .55 |     |
| SK23  | 30  |     | 90  | 50 | 0.5 | 2.0 | .55 |     |
| SK24  | 40  |     | 90  | 50 | 0.5 | 2.0 | .55 |     |
| SK25  | 50  |     | 90  | 50 | 0.5 | 2.0 | .70 |     |
| SK26  | 60  |     | 90  | 50 | 0.5 | 2.0 | .70 |     |
| SK28  | 80  |     | 90  | 50 | 0.5 | 2.0 | .85 |     |
| SK210 | 100 |     | 90  | 50 | 0.5 | 2.0 | .85 |     |

\*Note: Also can be made for Lead Frame Package

## 3.0 AMPERE SCHOTTKY



|        |     |     |     |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| SK32A  | 20  | 3.0 | 120 | 100 | 0.5 | 3.0 | .50 | SMA |
| SK33A  | 30  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK34A  | 40  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK35A  | 50  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK36A  | 60  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK38A  | 80  |     | 120 | 100 | 0.5 | 3.0 | .85 |     |
| SK310A | 100 |     | 120 | 100 | 0.5 | 3.0 | .85 |     |

\*Note: Also can be made for Lead Frame Package

## 3.0 AMPERE SCHOTTKY



|        |     |     |     |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| SK32B  | 20  | 3.0 | 120 | 100 | 0.5 | 3.0 | .50 | SMB |
| SK33B  | 30  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK34B  | 40  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK35B  | 50  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK36B  | 60  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK38B  | 80  |     | 120 | 100 | 0.5 | 3.0 | .85 |     |
| SK310B | 100 |     | 120 | 100 | 0.5 | 3.0 | .85 |     |

\*Note: Also can be made for Lead Frame Package



| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |



### 3.0~4.0 AMPERE SCHOTTKY

|         |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| SK32    | 20  | 3.0 | 120 | 100 | 0.5 | 3.0 | .50 | SMC |
| SK33    | 30  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK34    | 40  |     | 120 | 100 | 0.5 | 3.0 | .50 |     |
| SK35    | 50  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK36    | 60  |     | 120 | 100 | 0.5 | 3.0 | .75 |     |
| SK38    | 80  |     | 120 | 100 | 0.5 | 3.0 | .85 |     |
| SK310   | 100 |     | 120 | 100 | 0.5 | 3.0 | .85 |     |
| SK3200  | 200 |     | 70  | 100 | 0.5 | 3.0 | .86 |     |
| SK4200L | 200 |     | 4.0 | 70  | 100 | 0.5 | 4.0 |     |



### 3.0~5.0 AMPERE SCHOTTKY

|           |     |     |     |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| SK3200B-L | 200 | 3.0 | 70  | 100 | 0.5 | 3.0 | .86 | SMB |
| SK52B-L   | 20  | 5.0 | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK53B-L   | 30  |     | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK54B-L   | 40  |     | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK55B-L   | 50  |     | 120 | 100 | 1.0 | 5.0 | .75 |     |
| SK56B-L   | 60  |     | 120 | 100 | 1.0 | 5.0 | .75 |     |
| SK58B-L   | 80  |     | 120 | 100 | 1.0 | 5.0 | .85 |     |
| SK510B-L  | 100 |     | 120 | 100 | 1.0 | 5.0 | .85 |     |



### 5.0 ~ 8.0 AMPERE SCHOTTKY

|        |     |     |     |     |     |     |     |     |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| SK52L  | 20  | 5.0 | 120 | 100 | 1.0 | 5.0 | .55 | SMC |
| SK53L  | 30  |     | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK54L  | 40  |     | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK545L | 45  |     | 120 | 100 | 1.0 | 5.0 | .55 |     |
| SK55L  | 50  |     | 120 | 100 | 1.0 | 5.0 | .75 |     |
| SK56L  | 60  |     | 120 | 100 | 1.0 | 5.0 | .75 |     |
| SK58L  | 80  |     | 120 | 100 | 1.0 | 5.0 | .85 |     |
| SK510L | 100 |     | 120 | 100 | 1.0 | 5.0 | .85 |     |
| SK62L  | 20  |     | 6.0 | 120 | 150 | 1.0 | 6.0 |     |
| SK63L  | 30  | 120 |     | 150 | 1.0 | 6.0 | .65 |     |
| SK64L  | 40  | 120 |     | 150 | 1.0 | 6.0 | .65 |     |
| SK645L | 45  | 120 |     | 150 | 1.0 | 6.0 | .65 |     |
| SK65L  | 50  | 120 |     | 150 | 1.0 | 6.0 | .85 |     |
| SK66L  | 60  | 120 |     | 150 | 1.0 | 6.0 | .85 |     |
| SK68L  | 80  | 120 |     | 150 | 1.0 | 6.0 | .85 |     |
| SK610L | 100 | 120 |     | 150 | 1.0 | 6.0 | .85 |     |
| SK82L  | 20  | 8.0 | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK83L  | 30  |     | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK835L | 35  |     | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK84L  | 40  |     | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK845L | 45  |     | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK86L  | 60  |     | 95  | 200 | 1.0 | 8.0 | .65 |     |
| SK88L  | 80  |     | 95  | 200 | 1.0 | 8.0 | .80 |     |
| SK810L | 100 |     | 95  | 200 | 1.0 | 8.0 | .80 |     |





| Part Number | Working Peak Reverse Voltage | Average Forward Current @ Half-Wave Resistive Load 60Hz |    | Forward Peak Surge Current @ 8.3mS Superimposed | Maximum Reverse Current @ $V_{RWM}$ | Maximum Forward Voltage |          | Package |
|-------------|------------------------------|---|----|---|-------------------------------------|-------------------------|----------|---------|
|             | $V_{RWM}$                    | $I_{F(AV)}$ @ $T_L$                                     |    | $I_{FSM}$                                       | $I_R$                               | $I_{FM}$                | $V_{FM}$ |         |
|             | V                            | A   | °C | A   | mA                                  | A                       | V        |         |



## 8.0 ~ 30 AMPERE SCHOTTKY

|             |     |     |     |      |     |      |     |         |
|-------------|-----|-----|-----|------|-----|------|-----|---------|
| MBRB820     | 20  | 8.0 | 100 | 150  | 0.5 | 8.0  | .55 | D2-PACK |
| MBRB830     | 30  |     | 100 | 150  | 0.5 | 8.0  | .55 |         |
| MBRB840     | 40  |     | 100 | 150  | 0.5 | 8.0  | .55 |         |
| MBRB850     | 50  |     | 100 | 150  | 0.5 | 8.0  | .75 |         |
| MBRB860     | 60  |     | 100 | 150  | 0.5 | 8.0  | .75 |         |
| MBRB880     | 80  |     | 100 | 150  | 0.5 | 8.0  | .85 |         |
| MBRB8100    | 100 |     | 100 | 150  | 0.5 | 8.0  | .85 |         |
| MBRB1030CT  | 30  | 10  | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB1035CT  | 35  |     | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB1040CT  | 40  |     | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB1045CT  | 45  |     | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB1050CT  | 50  |     | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB1060CT  | 60  |     | 95  | 125  | 0.5 | 5.0  | .55 |         |
| MBRB10100CT | 10  |     | 100 | 150  | 0.1 | 5.0  | .85 |         |
| MBRB10200CT | 200 | 125 | 150 | 0.05 | 5.0 | .98  |     |         |
| MBRB1520CT  | 20  | 15  | 105 | 150  | 0.1 | 15   | .84 |         |
| MBRB1530CT  | 30  |     | 105 | 150  | 0.1 | 15   | .84 |         |
| MBRB1535CT  | 35  |     | 105 | 150  | 0.1 | 15   | .84 |         |
| MBRB1540CT  | 40  |     | 105 | 150  | 0.1 | 15   | .84 |         |
| MBRB1545CT  | 45  |     | 105 | 150  | 0.1 | 15   | .84 |         |
| MBRB1560CT  | 60  |     | 105 | 150  | 1.0 | 7.5  | .75 |         |
| MBRB1580CT  | 80  |     | 105 | 150  | 1   | 7.5  | .92 |         |
| MBRB15100CT | 100 | 105 | 150 | 1    | 7.5 | .92  |     |         |
| MBRB1620CT  | 20  | 16  | 90  | 150  | 0.1 | 8.0  | .70 |         |
| MBRB1630CT  | 30  |     | 90  | 150  | 0.1 | 8.0  | .70 |         |
| MBRB1635CT  | 35  |     | 90  | 150  | 0.1 | 8.0  | .70 |         |
| MBRB1640CT  | 40  |     | 90  | 150  | 0.1 | 8.0  | .70 |         |
| MBRB1645CT  | 45  |     | 90  | 150  | 0.1 | 8.0  | .70 |         |
| MBRB1660CT  | 60  |     | 90  | 150  | 0.1 | 8.0  | .80 |         |
| MBRB2020CT  | 20  | 20  | 125 | 150  | 0.1 | 20.0 | .84 |         |
| MBRB2030CT  | 30  |     | 125 | 150  | 0.1 | 20.0 | .84 |         |
| MBRB2035CT  | 35  |     | 125 | 150  | 0.1 | 20.0 | .84 |         |
| MBRB2040CT  | 40  |     | 125 | 150  | 0.1 | 20.0 | .84 |         |
| MBRB2045CT  | 45  |     | 125 | 150  | 0.1 | 20.0 | .84 |         |
| MBRB2060CT  | 60  |     | 125 | 150  | 0.1 | 10.0 | .80 |         |
| MBRB2080CT  | 80  |     | 125 | 150  | 0.1 | 10.0 | .85 |         |
| MBRB20100CT | 100 |     | 125 | 150  | 0.1 | 10.0 | .85 |         |
| MBRB20200CT | 200 | 125 | 150 | 0.05 | 10  | .95  |     |         |
| MBRB2520CT  | 20  | 30  | 130 | 150  | 0.2 | 30.0 | .82 |         |
| MBRB2530CT  | 30  |     | 130 | 150  | 0.2 | 30.0 | .82 |         |
| MBRB2535CT  | 35  |     | 130 | 150  | 0.2 | 30.0 | .82 |         |
| MBRB2540CT  | 40  |     | 130 | 150  | 0.2 | 30.0 | .82 |         |
| MBRB2545CT  | 45  |     | 130 | 150  | 0.2 | 15.0 | .75 |         |
| MBRB2560CT  | 60  |     | 130 | 150  | 0.2 | 15.0 | .75 |         |
| MBRB3030CT  | 30  |     | 110 | 200  | 1.0 | 15.0 | .55 |         |
| MBRB3040CT  | 40  |     | 110 | 200  | 1.0 | 15.0 | .55 |         |
| MBRB3060CT  | 60  |     | 110 | 200  | 1.0 | 15.0 | .72 |         |