



SCHOTTKY BARRIER RECTIFIERS

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +150°C

| TYPE | Maximum Peak Reverse Voltage | Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz | | Maximum Forward Peak Surge Current @ 8.3ms Superimposed | Maximum Reverse Current @ PRV | | Maximum Forward Voltage @ 25° C T _A | |
|------|------------------------------|---|----|---|---------------------------------|----|--|-----------------|
| | PRV | I _o @ T _C | | I _{FM} (Surge) | I _R @ T _C | | I _{FM} | V _{FM} |
| | V _{PK} | A _{AV} | °C | A _{PK} | mAdc | °C | A _{PK} | V _{PK} |

8.0 AMPERE SCHOTTKY/TO-220A

| | | | | | | | | |
|--------|----|-----|----|-----|-----|----|-----|------|
| SBL830 | 30 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL835 | 35 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL840 | 40 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL845 | 45 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL850 | 50 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.70 |
| SBL860 | 60 | 8.0 | 90 | 200 | 0.5 | 25 | 8.0 | 0.70 |

NOTE: For Reverse Polarity Specify "SBR" Prefix

10 AMPERE SCHOTTKY/TO-220A

| | | | | | | | | |
|---------|----|----|-----|-----|-----|----|----|------|
| SBL1030 | 30 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL1035 | 35 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL1040 | 40 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL1045 | 45 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL1050 | 50 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.75 |
| SBL1060 | 60 | 10 | 110 | 250 | 1.0 | 25 | 10 | 0.75 |

NOTE: For Reverse Polarity Specify "SBR" Prefix

16 AMPERE SCHOTTKY/TO-220A

| | | | | | | | | |
|---------|----|----|-----|-----|-----|----|----|------|
| SBL1630 | 30 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.63 |
| SBL1635 | 35 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.63 |
| SBL1640 | 40 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.63 |
| SBL1645 | 45 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.63 |
| SBL1650 | 50 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.75 |
| SBL1660 | 60 | 16 | 125 | 275 | 1.0 | 25 | 16 | 0.75 |

NOTE: For Reverse Polarity Specify "SBR" Prefix

16/20 AMPERE SCHOTTKY/TO-220

| | | | | | | | | |
|-----------|----|----|----|-----|-----|----|-----|------|
| SBL1630CT | 30 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL1635CT | 35 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL1640CT | 40 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL1645CT | 45 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.55 |
| SBL1650CT | 50 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.70 |
| SBL1660CT | 60 | 16 | 95 | 200 | 0.5 | 25 | 8.0 | 0.70 |

| | | | | | | | | |
|-----------|----|----|-----|-----|-----|----|----|------|
| SBL2030CT | 30 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL2035CT | 35 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL2040CT | 40 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL2045CT | 45 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.60 |
| SBL2050CT | 50 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.75 |
| SBL2060CT | 60 | 20 | 105 | 250 | 1.0 | 25 | 10 | 0.75 |

NOTE: Center Tap, Common Cathode.