

Schottky Barrier Rectifiers

| Type Number | 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° T _C | |
|-------------|------------------------------|-----------------|---|--|---|--|---------------------------------|----|--|-----------------|
| | 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} |

15 Ampere Schottky/TO-220

LITEON



| | | | | | | | | |
|-----------|----|----|-----|-----|-----|----|-----|------|
| MBR1530CT | 30 | 15 | 105 | 150 | 0.1 | 25 | 7.5 | 0.70 |
| MBR1535CT | 35 | 15 | 105 | 150 | 0.1 | 25 | 7.5 | 0.70 |
| MBR1540CT | 40 | 15 | 105 | 150 | 0.1 | 25 | 7.5 | 0.70 |
| MBR1545CT | 45 | 15 | 105 | 150 | 0.1 | 25 | 7.5 | 0.70 |
| MBR1550CT | 50 | 15 | 105 | 150 | 1.0 | 25 | 7.5 | 0.75 |
| MBR1560CT | 60 | 15 | 105 | 150 | 1.0 | 25 | 7.5 | 0.75 |

NOTE: Center Tap, Common Cathode

16/20 Ampere Schottky/TO-220

LITEON



| | | | | | | | | |
|-----------|----|----|-----|-----|-----|----|-----|------|
| 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

20 Ampere Schottky/TO-220

LITEON



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|-----------|----|----|-----|-----|-----|----|----|------|
| MBR2030CT | 30 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.84 |
| MBR2035CT | 35 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.84 |
| MBR2040CT | 40 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.84 |
| MBR2045CT | 45 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.84 |
| MBR2050CT | 50 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.95 |
| MBR2060CT | 60 | 20 | 130 | 150 | 0.1 | 25 | 20 | 0.95 |

NOTE: Center Tap, Common Cathode

30/40 Ampere Schottky/TO-3P

LITEON



| | | | | | | | | |
|-----------|----|----|-----|-----|-----|----|----|------|
| SBL3030PT | 30 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.55 |
| SBL3035PT | 35 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.55 |
| SBL3040PT | 40 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.55 |
| SBL3045PT | 45 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.55 |
| SBL3050PT | 50 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.70 |
| SBL3060PT | 60 | 30 | 105 | 275 | 1.0 | 25 | 15 | 0.70 |
| MBR3030PT | 30 | 30 | 105 | 200 | 1.0 | 25 | 20 | 0.65 |
| MBR3035PT | 35 | 30 | 105 | 200 | 1.0 | 25 | 20 | 0.65 |
| MBR3040PT | 40 | 30 | 105 | 200 | 1.0 | 25 | 20 | 0.65 |
| MBR3045PT | 45 | 30 | 105 | 200 | 1.0 | 25 | 20 | 0.65 |
| MBR3050PT | 50 | 30 | 105 | 200 | 5.0 | 25 | 20 | 0.75 |
| MBR3060PT | 60 | 30 | 105 | 200 | 5.0 | 25 | 20 | 0.75 |
| MBR4030PT | 30 | 40 | 125 | 400 | 10 | 25 | 20 | 0.70 |
| MBR4035PT | 35 | 40 | 125 | 400 | 10 | 25 | 20 | 0.70 |
| MBR4040PT | 40 | 40 | 125 | 400 | 10 | 25 | 20 | 0.70 |
| MBR4045PT | 45 | 40 | 125 | 400 | 10 | 25 | 20 | 0.70 |

NOTE: Center Tap, Common Cathode

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