

SCHOTTKY BARRIER RECTIFIERS

Operating Temperature 20V to 45V, -65°C to +125°C
50V to 60V, -65°C to +150°C

| TYPE | INDUSTRY PART NO | PEAK INVERSE VOLTAGE | MAX. AVG. RECT. CURRENT | MAX. FWD SURGE CURRENT 1 CYCLE 60HZ | MAX. FWD VOLTAGE @ TA 25°C @ RATED CURRENT | MAX. REVERSE CURRENT @ 25°C @ RATED PIV | OUTLINE IN INCHES (mm) | | | | | | | | | | | | | | | | |
|--|--|---|--|-------------------------------------|--|---|------------------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|------|--|--|--|
| | IND. P/N | P _{IV} (V) | I _o (A) | I _{FSM} (APK) | V _{FM} (V) | I _r (mA) | | | | | | | | | | | | | | | | | |
| 1N5817 1N5818 1N5819 | 1N5817 1N5818 1N5819 | 20 30 40 | 1.0 | 25 | 0.45 0.55 0.60 | 1.0 | <p>DO41</p> | | | | | | | | | | | | | | | | |
| SR102 SR103 SR104 | SB120 SB130 SB140 | 20 30 40 | | 40 | 0.45 0.60 0.65 | 1.0 | | | | | | | | | | | | | | | | | |
| SR105 SR106 SR107 | SB150 SB160 — | 50 60 70 | | 40 | 0.70 0.70 0.79 | 1.0 | | | | | | | | | | | | | | | | | |
| SR108 SR109 SR110 | — SB190 SB1100 | 80 90 100 | | 50 | 0.79 0.79 0.79 | | | | | | | | | | | | | | | | | | |
| 1N5820 1N5821 1N5822 | 1N5820 1N5821 1N5822 | 20 30 40 | | 80 | 0.475 0.500 0.525 | | | 2.0 | | | | | | | | | | | | | | | |
| SR302 SR303 SR304 SR305 SR306 SR307 SR308 SR309 SR310 | SB320 SB330 SB340 SB350 SB360 — — SB390 SB3100 | 20 30 40 50 60 70 80 90 100 | | 150 | 0.50 0.50 0.50 0.74 0.74 0.79 0.79 0.79 0.79 | | | 2.0 | | | | | | | | | | | | | | | |
| SR502 SR503 SR504 SR505 SR506 SR507 SR508 SR509 SR510 | SB520 SB530 SB540 SB550 SB560 — — SB590 SB5100 | 20 30 40 50 60 70 80 90 100 | | | 0.55 0.55 0.55 0.67 0.67 0.79 0.79 0.79 0.79 | 5.0 | | | 150 | 5.0 | | | | | | | | | | | | | |
| SR803 SR804 SR805 SR806 | — — — — | 30 40 50 60 | | | 0.62 0.62 0.70 0.70 | | | | | | 150 | 10.0 | | | | | | | | | | | |
| SR10-03 SR10-035 SR10-04 SR10-045 SR10-05 SR10-06 SR10-07 SR10-08 SR10-09 SR10-10 | — MBR1035 — MBR1045 MBR1050 MBR1060 — — MBR1090 MBR1010 | 30 35 40 45 50 60 90 80 90 100 | | | 0.55 0.55 0.55 0.65 0.65 0.80 0.80 0.80 0.80 0.80 | | | | | | | | 150 | 5.0 | | | | | | | | | |
| SR16-03 SR16-035 SR16-04 SR16-045 SR16-05 SR16-06 | SBL1630 — SBL1640 — — — | 30 35 40 45 50 60 | | | 0.60 0.60 0.60 0.60 0.70 0.70 | | | | | | | | | | 150 | 5.0 | | | | | | | |
| SR30-03 SR30-035 SR30-04 SR30-045 SR30-05 SR30-06 | SBL3030 MBR3035 SBL3040 MBR3045 MBR3050 MBR3060 | 30 35 40 45 50 60 | 0.6 0.6 0.6 0.6 0.7 0.7 | | 300 | | 5.0 | | | | | | | | | | | | | | | | |
| SR40-03 SR40-035 SR40-04 SR40-045 SR40-05 SR40-06 | — MBR4035 — MBR4045 MBR4050 MBR4060 | 30 35 40 45 50 60 | 0.65 0.65 0.65 0.65 0.75 0.75 | | | | | | | | | | | | | | 300 | 10.0 | | | | | |
| SR60-03 SR60-035 SR60-04 SR60-045 SR60-05 SR60-06 | — — — — — — | 30 35 40 45 50 60 | 0.65 0.65 0.65 0.65 0.75 0.75 | | | | | | | | | | | | | | | | 600 | 10.0 | | | |
| <p>TO-220A</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TO-220</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>TO-3P</p> | | | | | | | | | | | | | | | | | | | | | | | |