



# 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 <sub>A</sub>	
	PRV	I <sub>o</sub> @ T <sub>C</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub> @ T <sub>C</sub>		I <sub>FM</sub>	V <sub>FM</sub>
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	mAdc	°C	A <sub>PK</sub>	V <sub>PK</sub>

## 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.