



PINGWEI ENTERPRISE

SR220L/SB220L THRU SR260L/SB260L

2.0AMPS. SCHOTTKY BARRIER RECTIFIERS

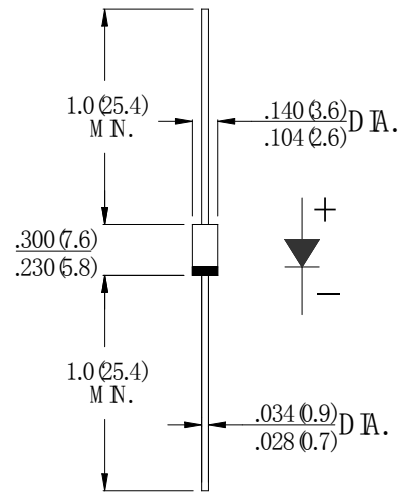
FEATURE

- . High current capability
- . Low forward voltage drop
- . Low power loss, high efficiency
- . High surge capability
- . High temperature soldering guaranteed 260°C /10sec/ 0.375" lead length at 5 lbs tension

MECHANICAL DATA

- . Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C
- . Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
- . Polarity: color band denotes cathode
- . Mounting position: any

DO-15



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	SYMBOL	SR220L SB220L	SR240L SB240L	SR260L SB260L	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	V
Maximum RMS Voltage	V_{RMS}	14	28	42	V
Maximum DC blocking Voltage	V_{DC}	20	40	60	V
Maximum Average Forward Rectified Current .375" (9.5mm) lead length at $T_L = 90^\circ C$	$I_{F(AV)}$	2.0			A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	50.0			A
Maximum Forward Voltage at 2.0A DC	V_F	0.38	0.45	0.55	V
Maximum DC Reverse Current at rated DC blocking voltage	I_R	@ $T_A = 25^\circ C$ @ $T_A = 100^\circ C$	0.5 50.0		mA
Typical Junction Capacitance (Note 1)	C_J	200			pF
Typical Thermal Resistance (Note 2)	$R_{(JA)}$	65			°C/W
Storage Temperature	T_{STG}	-55 to +150			°C
Operation Junction Temperature	T_J	-55 to +125			°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Thermal Resistance from Junction to Ambient at 0.375" (9.5mm) lead length, vertical P.C. Board Mounted.