

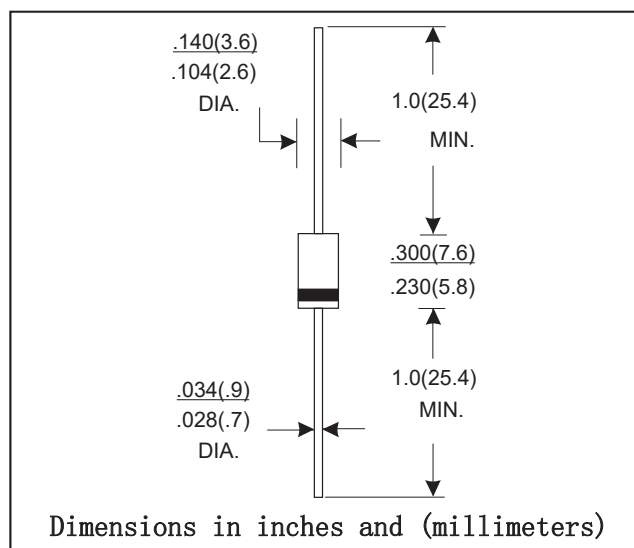
DO-15 SCHOTTKY BARRIER DIODE

FEATURES

- The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed:260 °C/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: DO-15 molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

TYPE NUMBER		SYMBOL	SR 220	SR 230	SR 240	SR 250	SR 260	SR 280	SR 2100	SR 2150	SR 2200	UNITS
Maximum recurrent peak reverse voltage		V_{RRM}	20	30	40	50	60	80	100	150	200	V
Maximum RMS voltage		V_{RMS}	14	21	28	42	56	63	71	105	140	V
Maximum DC blocking voltage		V_{DC}	20	30	40	50	60	80	100	150	200	V
Maximum Average Forward rectified Current0.375"(9.5mm) lead length		$I_{F(AV)}$	2.0									A
Peak forw ard surge current 8.3ms single half sine-w ave superimposed on rated load		I_{FSM}	40.0									A
Maximum instantaneous forward voltage at 2.0 A		V_F	0.55			0.70		0.85			0.90	V
Maximum reverse current at rated DC blocking voltage per diode	@T _A =25℃	I_R	0.2					0.1				mA
	@T _A =125℃		20					5.0				
Typical Thermal Resistance		$R_{\theta JA}$	50.0									℃/W
Typical junction capacitance		C_j	110									pF
Storage Temperature		T_{STG}	- 55 ---- + 150									℃
Operation Junction Temperature		T_j	- 55 ---- + 120									℃

RATINGS AND CHARACTERISTIC CURVES

FIG.1-FORWARD CURRENT DERATING CURVE

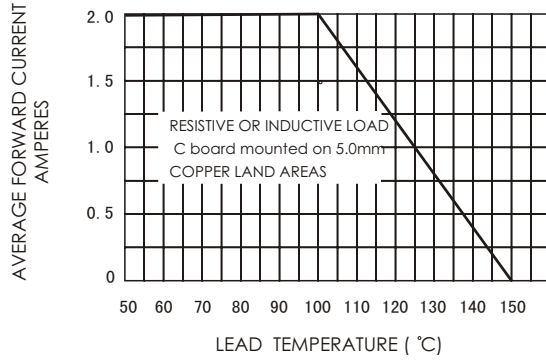


FIG.2-MAXIMUM NON-REPETITIVE PEAK

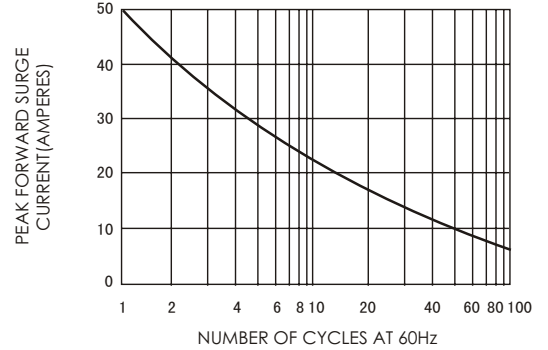


FIG.3-TYPICAL FORWARD CURRENT DERATING CURVE

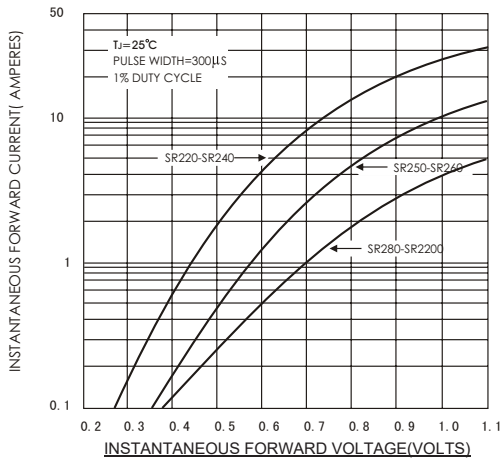


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

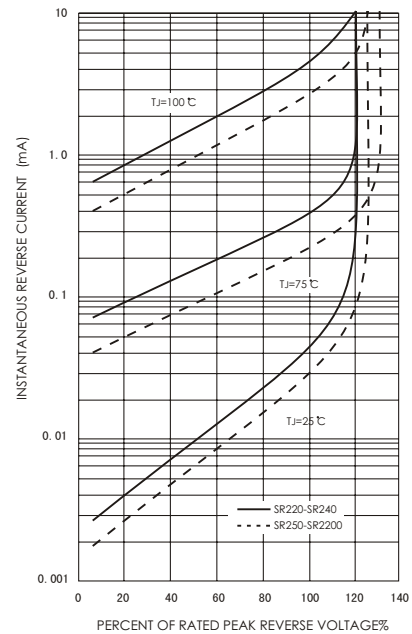


FIG.5-TYPICAL JUNCTION CAPACITANCE

