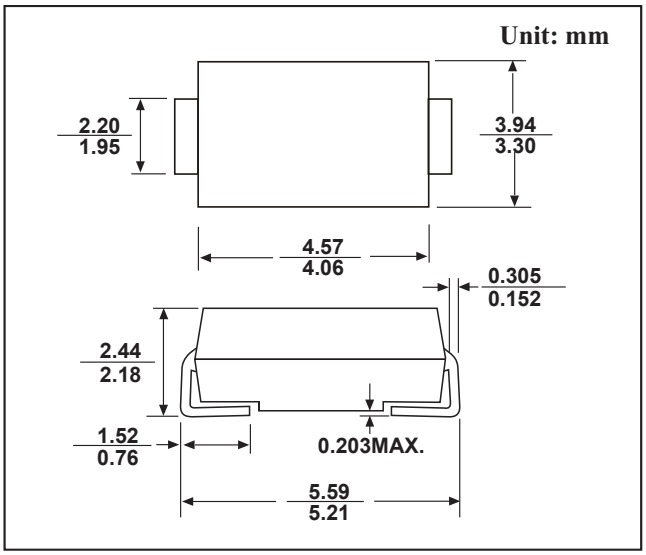
SMB SCHOTTKY BARRIER DIODE

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 ℃/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: SMB molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

TYPE NUMBER		SYMBOL	SS22	SS23	SS24	SS25	SS26	SS28	SS210	SS215	SS220	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	35	42	57	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}	30.0									A
Maximum instantaneous forward voltage at 2.0 A		V_F	0.55			0.75		0.85		0.90	0.95	V
Maximum reverse current at rated DC blocking voltage perdiode	@T_A=25℃	I_R	0.2									m A
	@T_A=100℃		10.0									
Typical Thermal Resistance		$R_{\theta JA}$	55.0									℃/W
Typical junction capacitance		C_j	75									pF
Storage Temperature		T_{STG}	- 55 ---- + 150									℃
Operation Junction Temperature		T_j	- 55 ---- + 125									℃

RATINGS AND CHARACTERISTIC CURVES

FIG. 1- FORWARD CURRENT DERATING CURVE

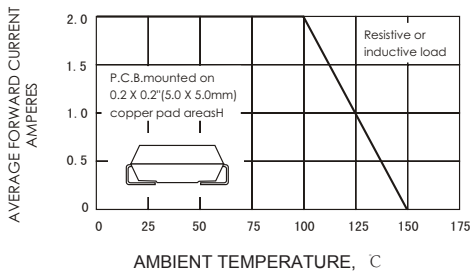


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

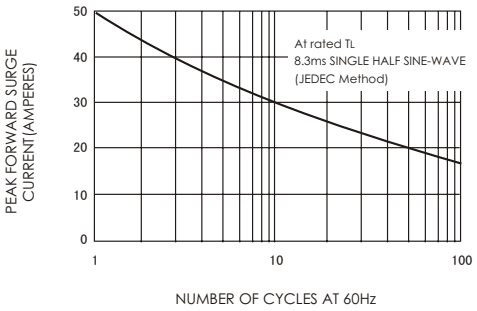


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

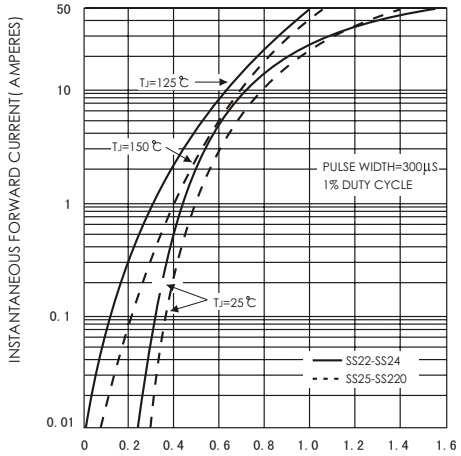


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

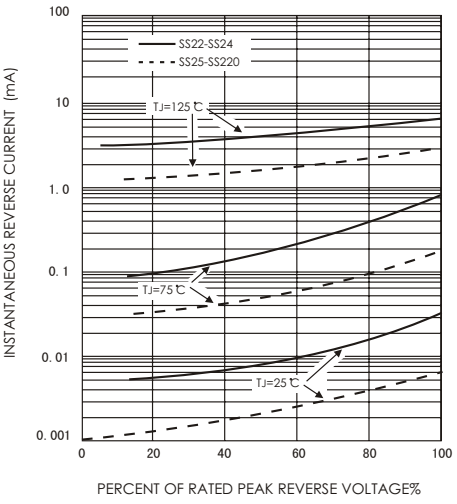


FIG. 5-TYPICAL JUNCTION CAPACITANCE