

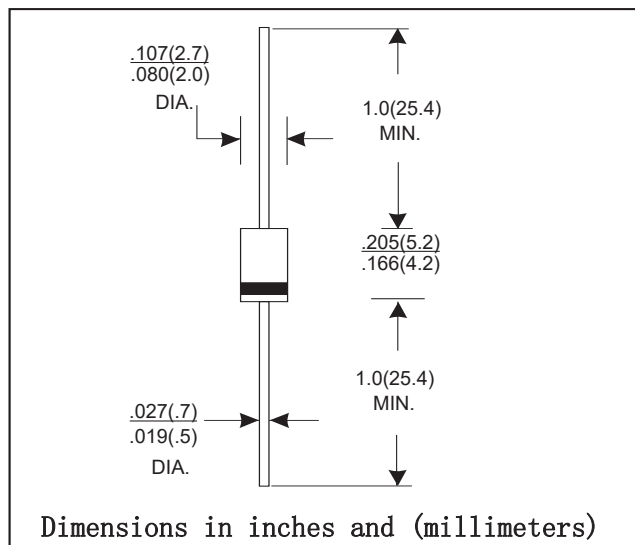
DO-41 SCHOTTKY BARRIER DIODE

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-41 molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

TYPE NUMBER		SYMBOL	SR 120	SR 130	SR 140	SR 150	SR 160	SR 180	SR 1100	SR 1150	SR 1200	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	56	70	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)}	1.0									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 1.0 A		V _F	0.55			0.70		0.85			V	
Maximum reverse current at rated DC blocking voltage per diode	@T _A =25℃	I _R	0.2					0.1			m A	
	@T _A =125℃		20					5.0				
Typical Thermal Resistance		R θ JA	50.0									℃/W
Storage Temperature		T _{STG}	- 55 ---- + 150									℃
Operation Junction Temperature		T _j	- 55 ---- + 120									℃

RATINGS AND CHARACTERISTIC CURVES

FIG.1-FORWARD CURRENT DERATING CURVE

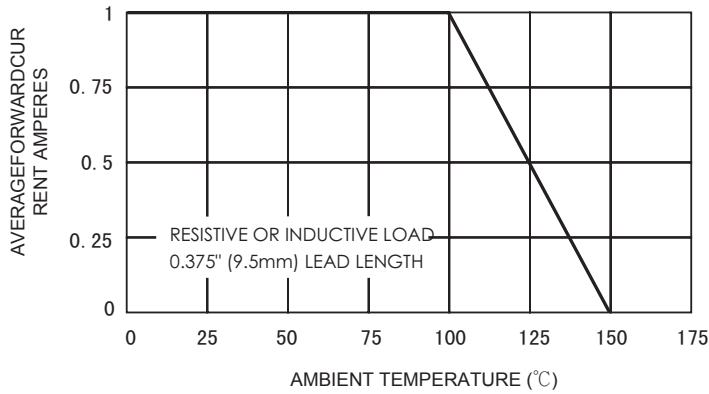


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

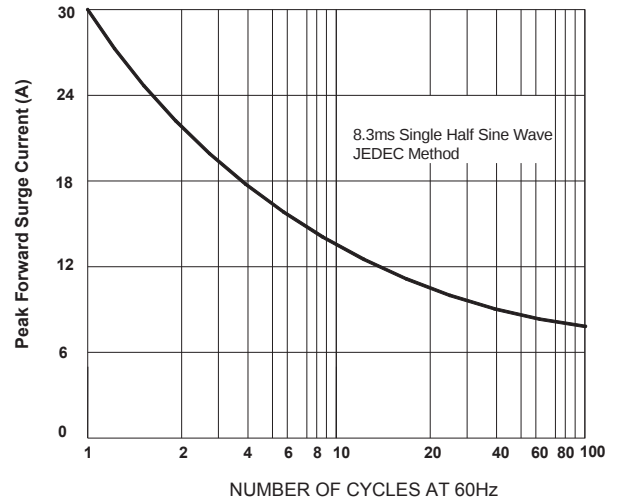


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

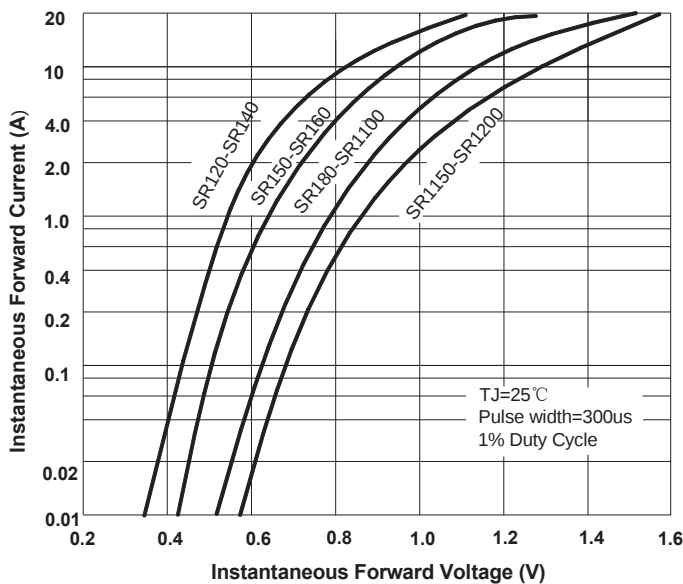


FIG.4-TYPICAL REVERSE CHARACTERISTICS

