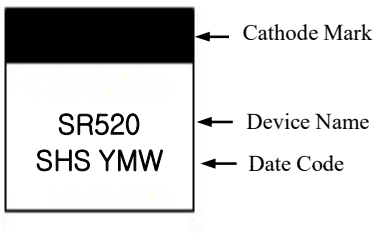
Schottky Barrier Rectifier
Reverse Voltage 200 Volts Forward Current 5.0 Amperes

Features
- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

Mechanical Data
- Case : Molded plastic
- Epoxy : UL 94V-O rate flame retardant
- Lead : Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity : Color band denotes cathode end
- High temperature soldering guaranteed : 260°C/10 seconds /0.375",(9.5mm) lead lengths at 5lbs.,(2.3kg) tension
- Weight : 1.1grams

Marking



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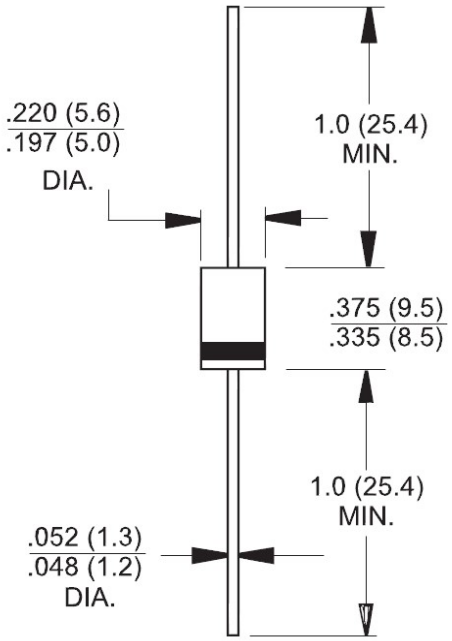

Dimensions in inches and (millimeters)

Maximum Ratings & Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified
Single phase half wave 60 Hz, resistive or inductive load
For capacitive load, derate current by 20%

Parameter	Symbol	Rated Value	Unit	Remark
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	V	
Maximum RMS Voltage	V_{RMS}	140	V	
Maximum DC Blocking Voltage	V_{DC}	200	V	
Maximum Average Forward Rectified Current(Fig. 1)	$I_F(AV)$	5.0	A	
Peak Forward Surge Current 8.3ms Single Half Sine-wave Superimposed on Rated Load (MIL-STD-750D 4066 Method)	I_{FSM}	150	A	
Maximum Instantaneous Forward Voltage at 5.0A	V_F	1.05	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.1	mA	Ta=25°C
		10	mA	Ta=100°C
Typical Junction Capacitance	C_J	380	pF	Note 1
Typical Thermal Resistance	Rth(j-a)	10	°C/W	Note 2
Operation Junction Temperature Range	T_J	-65 to +150	°C	
Storage Temperature Range	T_{STG}	-65 to +150	°C	

Note 1. Measured at 1MHz and Applied Reverse Voltage of 4.0Volts D.C.
Note 2. Thermal resistance from junction to ambient

Ratings and Characteristics Curves (Ta=25°C unless otherwise noted)

Fig.1 Forward Current Derating Curve

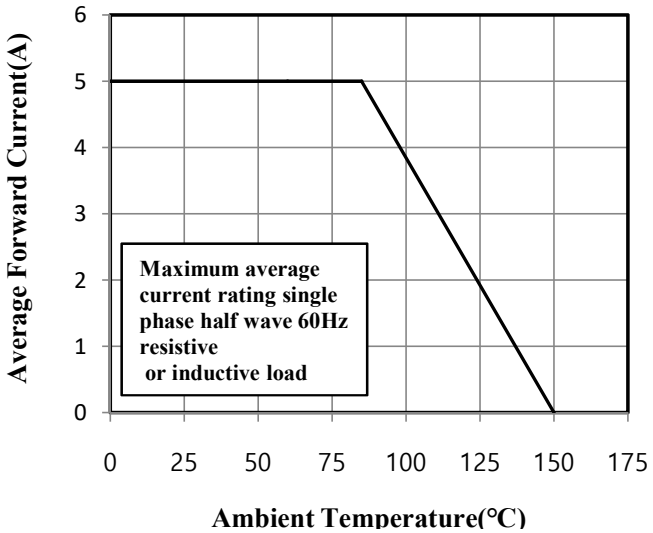

Fig.2 Maximum Non-Repetitive Peak Forward Surge Current

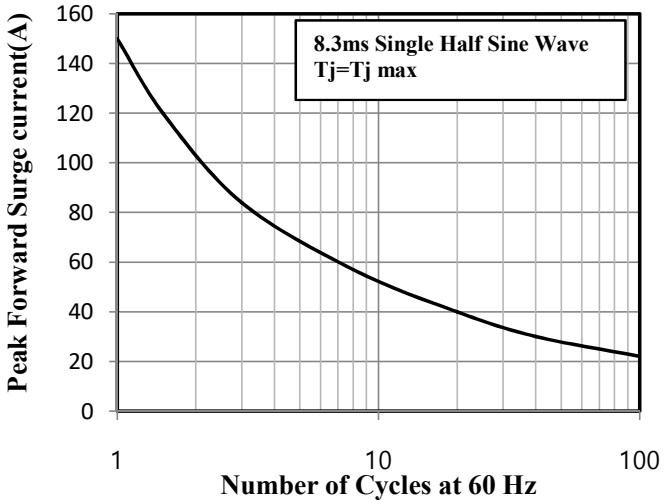

Fig.3 Typical Instantaneous Forward Characteristics

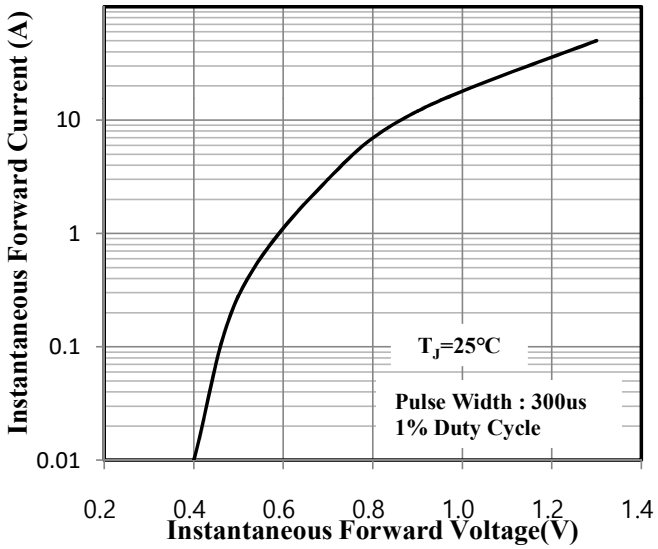

Fig.4 Typical Junction Capacitance

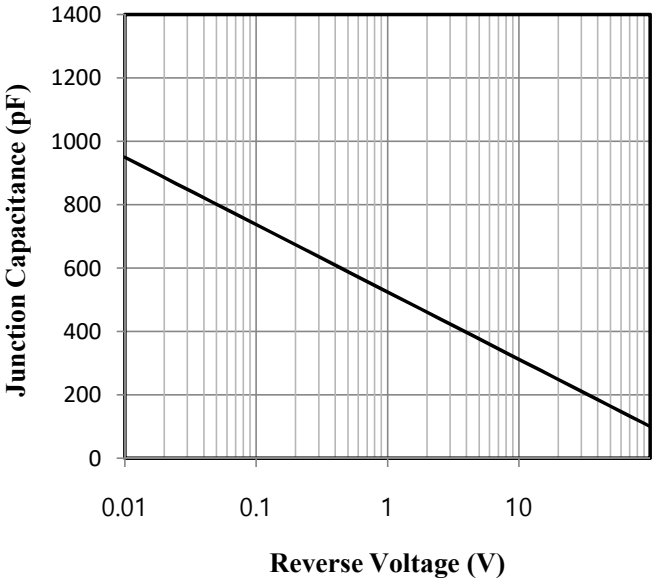

Fig.5 Typical Reverse Charateristics