

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

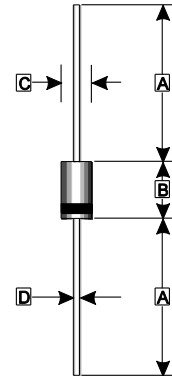
FEATURES

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Plastic Material-UL Flammability 94V-0

APPLICATIONS

- Case: Molded Plastic
- Terminals: Plated leads Solderable per MIL-STD-202, Method 208 guaranteed
- Polarity: Color band dentes cathode end
- Mounting Position: Any

DO-15



ORDER INFORMATION

Part Number	Type
SR2200	Lead (Pb)-free
SR2200-C	Lead (Pb)-free and Halogen-free

REF.	Millimeter	
	Min.	Max.
A	25.4 (TYP)	
B	5.80	7.60
C	2.60	3.60
D	0.70	0.90

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number	Units	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	V	
Maximum RMS Voltage	V_{RMS}	140		
Maximum DC Blocking Voltage	V_{DC}	200		
Average Rectified Output Current ¹ @ $T_L=100^\circ\text{C}$	$I_{F(AV)}$	2	A	
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	60	A	
Forward Voltage @ $I_F=2\text{A}$	V_F	0.92	V	
DC Reverse Current At Rated DC Blocking Voltage	I_R	$T_A=25^\circ\text{C}$	0.05	mA
		$T_A=100^\circ\text{C}$	5	
Typical Junction Capacitance	C_J	40	pF	
Typical Thermal Resistance from Junction-Ambient	$R_{\theta JA}$	75	$^\circ\text{C}/\text{W}$	
Operating and Storage Temperature Range	T_J, T_{STG}	-55~150	$^\circ\text{C}$	

Note:

1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.

RATINGS AND CHARACTERISTIC CURVES

Fig. 1 Forward Current Derating Curve

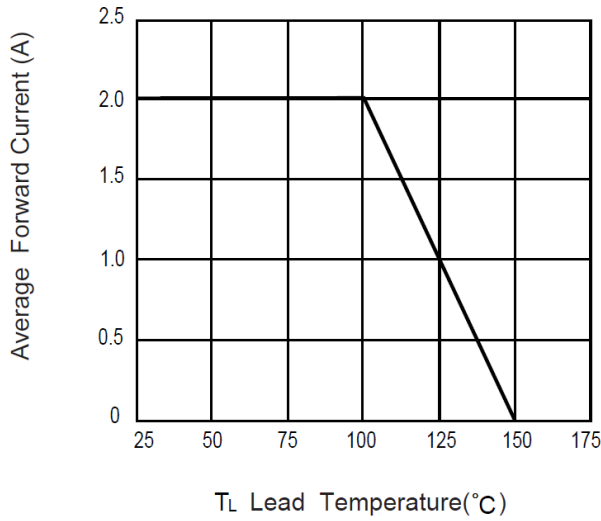


Fig. 2 Typ. Forward Characteristics

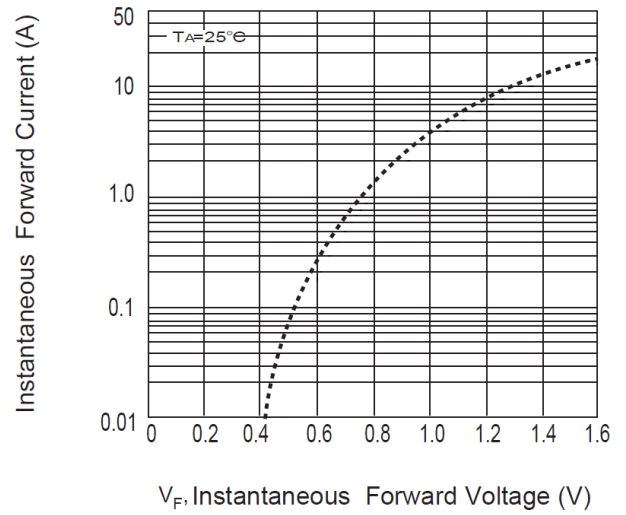


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

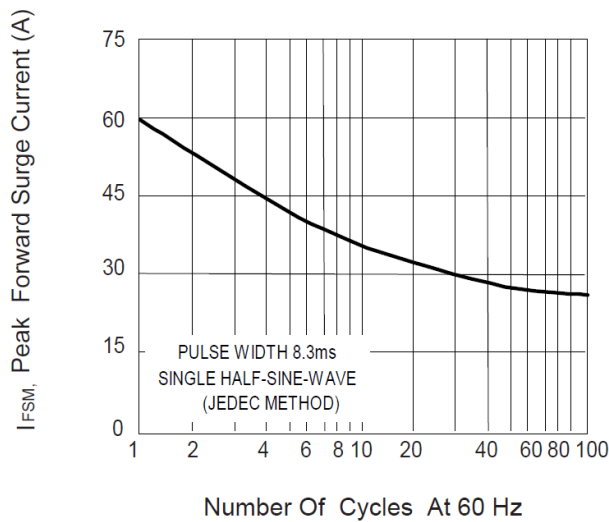


Fig.4 Typical Reverse Characteristics (per element)

