

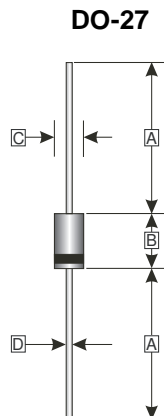
RoHS Compliant Product
A suffix of "-C" specifies halogen-free and RoHS Compliant

FEATURES

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Glass Passivated Junction

MECHANICAL DATA

- Case: Molded Plastic
- Lead: Axial Leads, Solderable Per MIL-STD-202, Method 208 Guaranteed
- Polarity: Color Band Denotes Cathode End
- Mounting Position: Any



REF.	Millimeter	
	Min.	Max.
A	25.4 (TYP)	
B	7.20	9.53
C	4.80	5.60
D	1.10	1.32

ORDER INFORMATION

Part Number	Type
1N5400GR~1N5408GR	Lead (Pb)-free
1N5400GR-C~1N5408GR-C	Lead (Pb)-free and Halogen-free

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	Ratings							Unit
		1N 5400GR	1N 5401GR	1N 5402GR	1N 5404GR	1N 5406GR	1N 5407GR	1N 5408GR	
Maximum Recurrent Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Average Forward Current 60Hz Half Sine Wave, Resistance Load	$I_{F(AV)}$	3							A
Peak Forward Voltage @ $I_{FM}=3A$	V_{FM}	1.1							V
Peak Forward Surge Current 60Hz Half sine wave, 1 cycle.	I_{FSM}	200							A
Peak Reverse Current $V_{RM}=V_{RRM}$	$T_A=25^\circ C$	5							μA
	$T_A=125^\circ C$	50							
Typical Thermal Resistance	$R_{\theta JA}$	20							$^\circ C/W$
	$R_{\theta JL}$	10							
Operating and Storage Temperature Range	T_J, T_{STG}	-55~150							$^\circ C$

RATINGS AND CHARACTERISTIC CURVES

