

Germanium Glass Diode

Features

- Germanium Glass Diode
- RoHS Compliance



DO-7



Mechanical Data

Case:	DO-7, molded glass
Terminals:	Plated axial lead, solderable per MIL-STD-202E, Method 208
Polarity:	Color band denotes cathode end
Weight:	0.2 gram

Maximum Ratings and Electrical Characteristics ($T_A=25^{\circ}C$ unless noted otherwise)

Symbol	Description	1N60	1N60P	Unit	Conditions
V_{RRM}	Maximum Repetitive Peak Reverse Voltage	50	45	V	
V_{DC}	Maximum DC Blocking Voltage	-	20	V	
I_{F(AV)}	Maximum Average Forward Rectified Current	50		mA	
I_{FM}	Peak Forward Current	-	150	mA	
I_{FSM}	Peak Forward Surge Current	-	500	mA	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
V_F	Maximum Instantaneous Forward Voltage	1.0	-	V	I _F =5mA
I_F	Minimum Forward Current	-	4	mA	V _F =1V
V_R	Maximum Reverse Leakage	20	-	V	I _R =40μA

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1N60/1N60P

Symbol	Description	1N60	1N60P	Unit	Conditions
IR	Maximum DC Reverse Current at Rated DC Blocking Voltage	-	50	μA	VR=10V
η	Minimum Rectification Efficiency	-	55	%	VR=20V, Rms=5kΩ, C=20pF, f=40MHz
RthJA	Typical Thermal Resistance, Junction to Ambient	250	-	°C / W	
TJ	Operating Temperature range	-55 to +70	-55 to +75	°C	
TSTG	Storage Temperature Range	-55 to +100	-55 to +75	°C	

Typical Characteristics Curves

Fig.1- Forward Characteristics

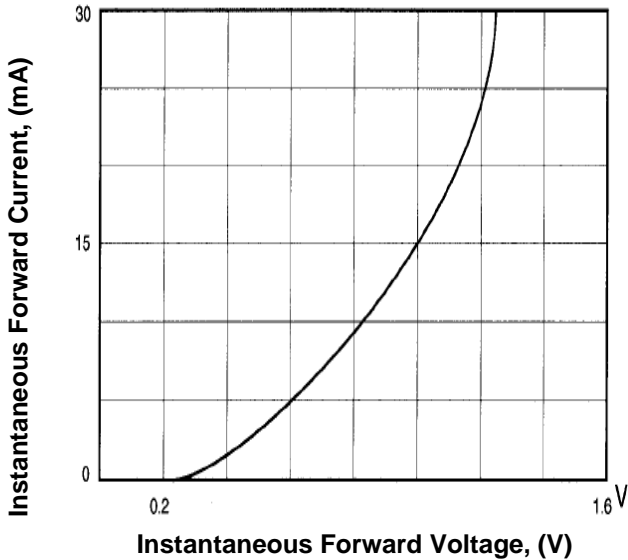
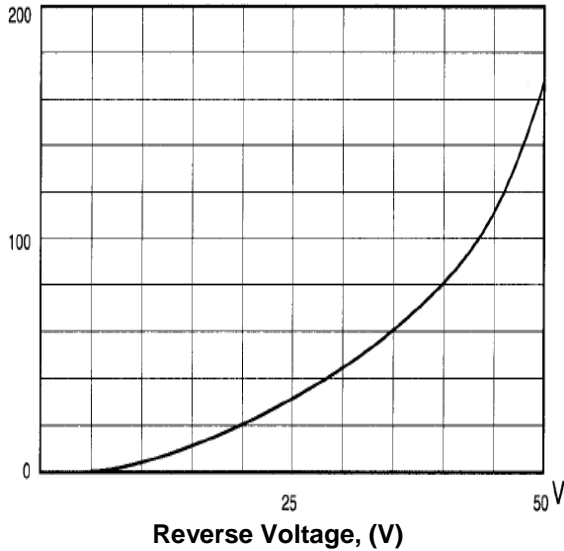
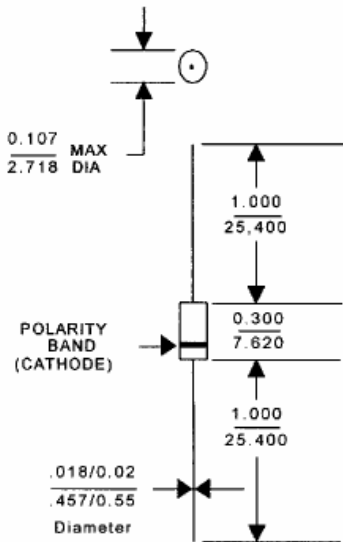


Fig.2- Reverse Characteristics



Dimensions in $\frac{\text{inch}}{\text{mm}}$



DO-7

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