

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 ($T_A=25^{\circ}\text{C}$ 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
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage	-	50	μA	V _R =10V
η	Minimum Rectification Efficiency	-	55	%	V _R =20V, R _{ms} =5kΩ, C=20pF, f=40MHz
R_{thJA}	Typical Thermal Resistance, Junction to Ambient	250	-	°C / W	
T_J	Operating Temperature range	-55 to +70	-55 to +75	°C	
T_{STG}	Storage Temperature Range	-55 to +100	-55 to +75	°C	

Typical Characteristics Curves

Fig.1- Forward Characteristics

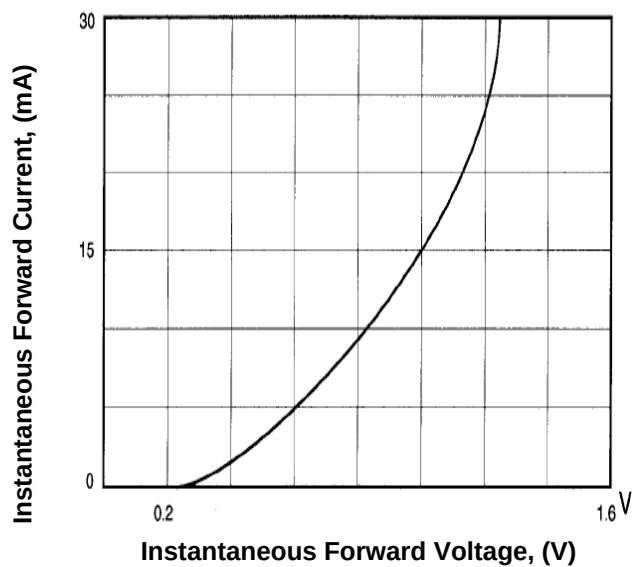
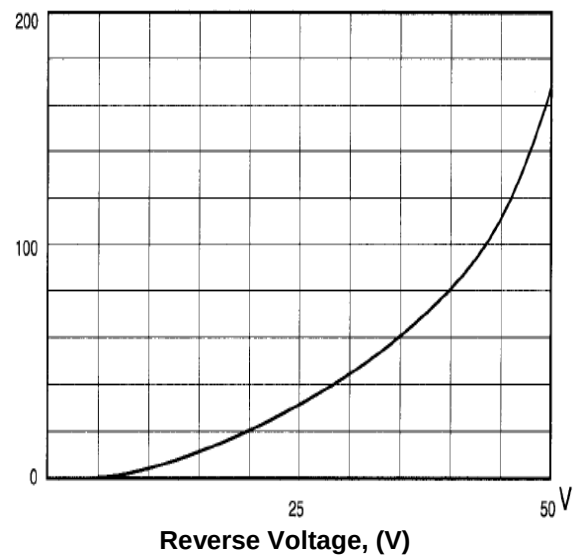
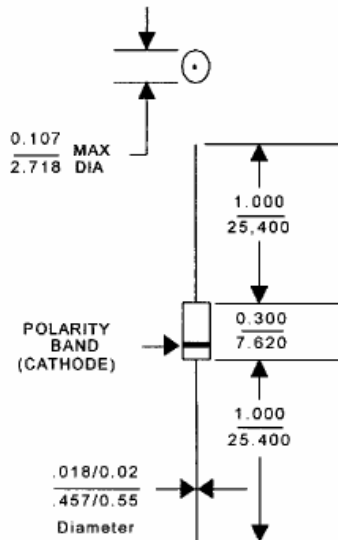


Fig.2- Reverse Characteristics



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



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How to contact us:

US HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800) TAITRON (800) 824-8766 (661) 257-6060

Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO C.P.
42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

TAITRON COMPONETS INCORPORATED E REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001
BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

TAITRON COMPONETS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

METROBANK PLAZA, 1160 WEST YAN' AN ROAD, SUITE 1503, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-5424-9931