Gold Bonded 1N270 Germanium Diodes

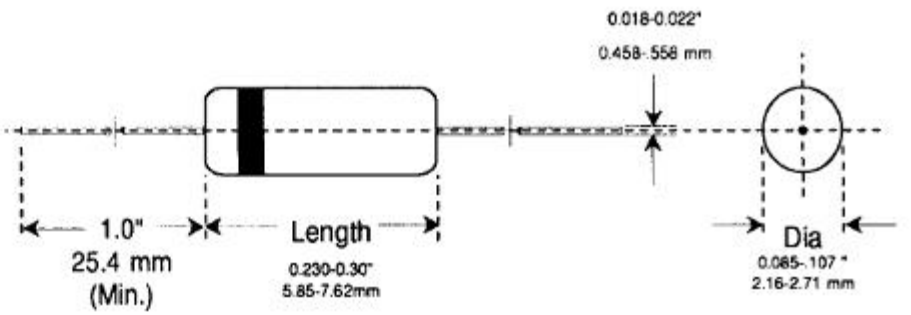
Optimized for Radio Frequency Response

Can be used in many AM, FM and TV-IF applications, replacing point contact devices.

Applications

- AM/FM detectors
- Ratio detectors
- FM discriminators
- TV audio detectors
- RF input probes
- TV video detectors

DO-7 Glass Package



Features

- Lower leakage current
- Flat junction capacitance
- High mechanical strength

problem free solderability

Absolute Maximum Ratings at T_{amb} = 25 °C

Parameter	Symbols	Min.	Max.	Units
Peak Inverse Voltage	PIV	**	100	Volts
Surge Current , t = 1 Second	I_{FSM}		0.5	Amps
Average Rectified Forward Current	I_O		40	mA
Peak Operating Current	I_{OS}		325	mA
Operating and Storage Temperatures	$T_{J\&STG}$	-65	+90	°C

Electrical Characteristics at T_{amb} = 25 °C

Parameter	Test Conditions	Symbols	Min.	Typ.	Max.	Units
Forward Voltage Drop	I_F = 200 mA	V_F			1.00	Volts
Breakdown Voltage @ I_R = 1.0 mA		PIV	100			Volts
Reverse Leakage	V_R = 50 Volts	I_R		**	100	µA
Junction Capacitance	f = 1MHz, V_R = 1 volt	C_J		0.8		pF