

**Point Contact**

**1N60A**

**Germanium Diodes**

*Optimized for Radio Frequency Response*

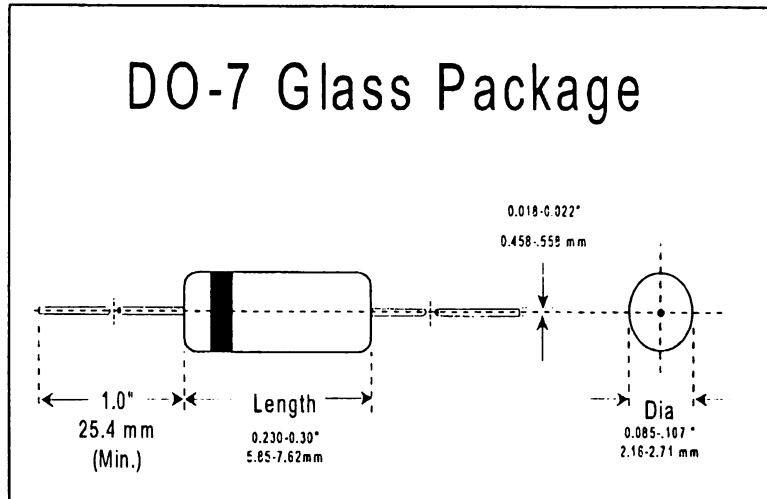
Can be used in many AM, FM and TV-IF applications

### Applications

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

### Features

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



#### Absolute Maximum Ratings at $T_{amb} = 25^\circ\text{C}$

Parameter	Symbols	Min.	Max.	Units
Peak Inverse Voltage	PIV	**	45	Volts
Peak Forward Surge Current Non-Repetitive, $t = 1$ Second	$I_{FSM}$		0.2	Amps
Peak Forward Surge Current Repetitive	$I_{FSR}$		50	mA
Average Rectified Forward Current	$I_O$		50	mA
Operating and Storage Temperatures	$T_{J \& S I G}$	-55	+75	$^\circ\text{C}$

#### Electrical Characteristics at $T_{amb} = 25^\circ\text{C}$

Parameter	Test Conditions	Symbols	Min.	Typ.	Max.	Units
Forward Voltage Drop	$I_f = 5$ mA	$V_f$		**	1.0	Volts
Breakdown Voltage	$I_r = 1.0$ mA	PIV	45			Volts
Reverse Leakage	$V_R = 10$ Volts	$I_R$		**	65	$\mu\text{A}$



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