Gold Bonded 1N34A Germanium Diodes

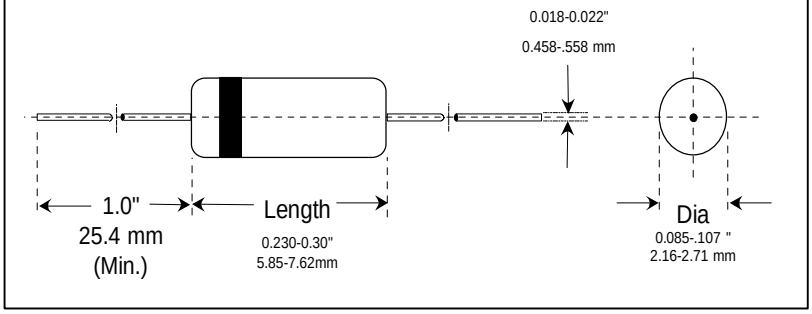
Optimized for Radio Frequency Response

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
- At least 1 million hours MTBF
- BKC's Sigma-Bond™ plating for problem free solderability

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

Parameter	Symbols	Min.	Max.	Units
Peak Inverse Voltage (Repetitive), Measured @ I_R = 1 mA	PIV	**	65	Volts
Peak Forward Surge Current Non-Repetitive, t = 1 Second	I_{FSM}		0.5	Amps
Peak Forward Surge Current Repetitive	I_{FSR}		200	mA
Average Rectified Forward Current	I_O		50	mA
Operating and Storage Temperatures	$T_{J\,\&\,STG}$	-55	+75	°C

Electrical Characteristics at T_{amb} = 25 °C

Parameter	Test Conditions	Symbols	Min.	Max.	Units
Forward Voltage Drop	I_F = 5.0mA	V_F		1.0	Volts
	V_R = 10 Volts			30	µA
Reverse Leakage	V_R = 50 Volts	I_R		500	µA
Breakdown Voltage	Ir = 1.0 mA	PIV	65		Volts

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