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

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	Î _o		50	mA
Operating and Storage Temperatures	T _{J&STG}	-55	+75	οС

Electrical Characteristics at T_{amb} = 25 °C

Parameter	Test Conditions	Symbols	Min.	Max.	Units
Forward Voltage Drop	$I_F = 5.0 \text{mA}$	$V_{_{\rm F}}$		1.0	Volts
	$V_R = 10 \text{ Volts}$			30	μΑ
Reverse Leakage	$V_R = 50 \text{ Volts}$	I _R		500	μΑ
Breakdown Voltage	Ir = 1.0 mA	PIV	65		Volts
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