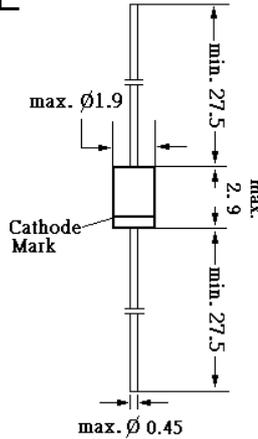


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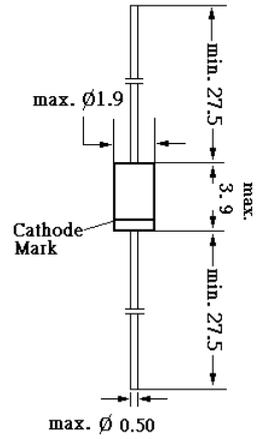
SILICON SCHOTTKY BARRIER DIODE for UHF TV Tuner Mixer

Features

- Low capacitance ($C = 0.85\text{pF max}$)
- High reliability with glass seal.



Glass case JEDEC DO-34
Dimensions in mm



Glass case JEDEC DO-35
Dimensions in mm

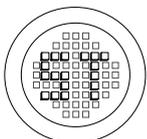
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Reverse Voltage	V_R	3	V
Average Forward Current	I_o	30	mA
Power Dissipation	P_{tot}	150	mW
Junction Temperature	T_j	100	$^\circ\text{C}$
Storage Temperature	T_s	-55 to +100	$^\circ\text{C}$

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

	Symbol	Min.	Typ.	Max.	Unit
Forward Current at $V_F = 0.5\text{V}$	I_F	8	-	-	mA
Reverse voltage at $I_R = 1\text{mA}$	V_R	3	-	-	V
Reverse current at $V_R = 0.5\text{V}$	I_R	-	-	50	μA
Capacitance at $V_R = 0.5\text{V}$, $f = 1\text{MHz}$	C	-	-	0.85	pF
ESD-Capability*1 at $C = 200\text{pF}$, Both forward and reverse direction 1 pulse	-	30	-	-	V

Note: 1. Failure criterion; $I_R/50\mu\text{A}$ at $V_R=0.5\text{V}$



®

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