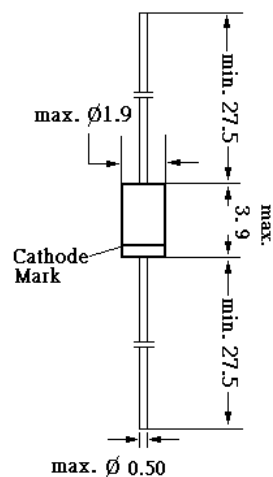


CDG 00

DETECTOR DIODE

The miniature CDG 00 is a silicon planar epitaxial diode that provides low capacitance and high conductance, suitable for use as detector in AM receivers.



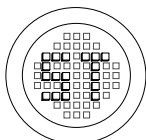
Glass case JEDEC DO-35
Dimensions in mm

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

	Symbol	Value	Unit
Breakdown Voltage	BV	4	Volts
Forward Current	I_F	100	mA
Power Dissipation	P_D	250	mW
Operating Temperature	T_A	-65 to +175	$^\circ\text{C}$
Storage Temperature Range	T_S	-65 to +200	$^\circ\text{C}$

Characteristics at $T_A = 25^\circ\text{C}$ unless otherwise noted

Parameter	Test conditions	Min.	Typ.	Max.	Unit
V_F	$I_F = 50\mu\text{A}$	0.4	-	0.52	V
V_F	$I_F = 1\text{mA}$	-	0.6	-	V
I_R	$V_R = 4\text{V}$	-	-	1	μA
I_R	$V_R = 4\text{V}, T = 65^\circ\text{C}$	-	-	1	μA



®

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