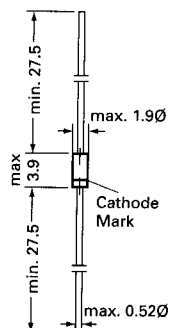


CDG 00 DETECTOR DIODE

The miniature CDG00 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

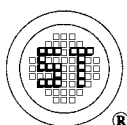
Dimensions in mm

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	T_S	-65 to + 200	$^\circ\text{C}$

ELECTRICAL SPECIFICATIONS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
V_F	0.4		0.52	V	$I_F = 50 \mu\text{A}$
V_F		0.6		V	$I_F = 1\text{mA}$
I_R			1	μA	$V_R = 4\text{V}$
I_R			1	μA	$V_R = 4\text{V}, T = 65^\circ\text{C}$



SEMTECH ELECTRONICS LTD.

(wholly owned subsidiary of HONEY TECHNOLOGY LTD.)

