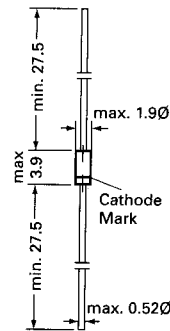


# CDG 00 DETECTOR DIODE

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

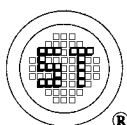
Dimensions in mm

## 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	$\mu\text{A}$	$V_R = 4\text{V}$
$I_R$			1	$\mu\text{A}$	$V_R = 4\text{V}, T = 65^\circ\text{C}$



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