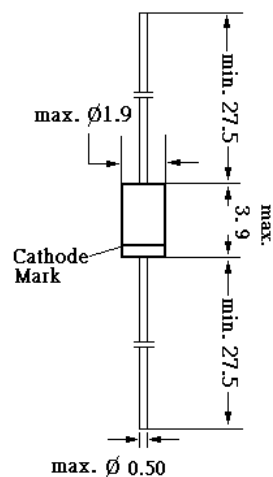


# CDG 00

## 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.



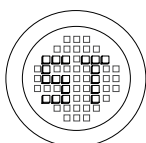
Glass case JEDEC DO-35  
Dimensions in mm

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



®

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