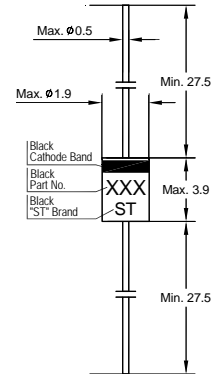


CDG22...CDG26

SILICON PLANAR BIASING DIODES

The biasing diode is a silicon glass diode suitable for use as general purpose biasing diode.



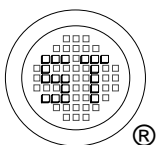
Glass Case DO-35
Dimensions in mm

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

Parameter	Symbol	Value	Unit
Breakdown Voltage	BV	4	V
Power Dissipation	P_D	250	mW
Operating Temperature Range	T_{opr}	- 65 to + 175	$^\circ\text{C}$
Storage Temperature Range	T_S	- 65 to + 200	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 2\text{ mA}$	CDG22	520	600	mV
	CDG23	595	625	mV
	CDG24	615	645	mV
	CDG25	635	665	mV
	CDG26	660	700	mV
Reverse Current at $V_R = 4\text{ V}$ at $V_R = 4\text{ V}$, $T_a = 65\text{ }^\circ\text{C}$	I_R	-	0.1	μA
		-	2	



SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002
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ISO 14001:2004
Certificate No. 7116



ISO 9001:2000
Certificate No. 0506088

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