

Features:

Hermetically Sealed, Glass Passivated Silicon Diodes

Polarity : Cathode is indicated by a blue band.

Absolute Max. Ratings

Description	Symbol	Value	Unit
Power Dissipation $T_{tp} = 105^{\circ}C$	P _{tot}	2.3	
Power Dissipation PCB mounted $T_{amb} = 55^{\circ}C$	P _{tot}	0.8	
Non-Repetitive Peak Reverse Power Dissipation $t_p = 100\mu s$, square pulse; $T_j = 25^{\circ}C$ prior to surge	P _{zsm}	300	W
Non-Repetitive Peak Reverse Power Dissipation; 10/100 μ s, exponential pulse; T _j = 25°C prior to surge	P _{RSM}	150	
Storage Temperature	T _{stg}	65 to +175	°C
Junction Temperature	T _j	- 00 10 + 175	

Thermal Resistance

Junction to Tie Point	R _{th j (t-p)}	30	K AAI
Junction to Ambient	*R _{th (j-s)}	150	r\/ v v

* Device mounted on an epoxy glass printed circuit board, 1.5mm thick; thickness of Cu layer ≥40μm Per type when used as Voltage Regulator Diodes

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Electrical Characteristics (Ta = 25°C unless specified otherwise) VF <1.2V at 200mA

Wo Min.	rking Voltag V _z (V) at I _z Nom.	ge Max.	Differential Resistance r _{diff} (Ω) at I _z Max.	Tempe Coeff S _z (' at Min.	erature icient %/K) I _z Max.	Test Current at I _z (mA)	Reverse (Reverse I _R a _t (µA) Max.	Current at Voltage V _R (V)	Part Number
11.4	12	12.7	7	0.05	0.1	50	3	9.1	BZD27-C12
20.8	22	23.3	15	0.06	0.11	25	1	16	BZD27-C22

Part Number Table

	Description	Part Number		
	Diode, Zener, 0.8W, SOD-87	BZD27-C12		
		BZD27-C22		

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