



PJZ4V3XBWS

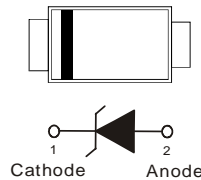
SURFACE MOUNT ZENER DIODES

FEATURES

- Planar Die construction
- Ideally Suited for Automated Assembly Processes
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

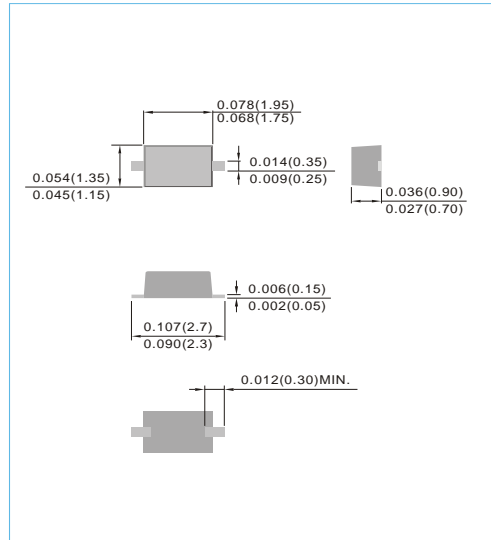
MECHANICAL DATA

- Case: SOD-323, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.00014 ounces, 0.0041 grams



SOD-323

Unit : inch(mm)



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Power Dissipation (Notes 2)	P _D	250	mW
Typical Thermal Resistance, Junction to Ambient (Notes 1)	R _{θJA}	650	°C/W
Operating Junction Temperature and Storage Temperature Range	T _J ,T _{STG}	-55 to +150	°C

NOTES : 1. Mounted on a FR4 PCB, single-sided copper, mini pad.

2. Mounted on a FR4 PCB, single-sided copper, with 10cm * 10cm copper pad area.

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

Nominal Zener Voltage			Max. Zener Impedance		Max Reverse Leakage Current		Marking Code
V _Z @ I _{ZT}			Z _{ZT} @ I _{ZT}		I _R @ V _R		
Nom. V	Min. V	Max. V	Ω	μA	μA	V	
4.3	4.08	4.51	900	500	5	1	YJ



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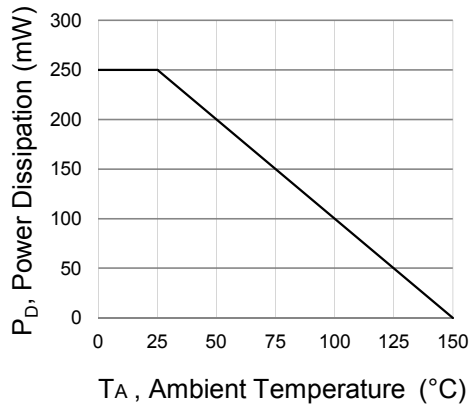


Fig.1 Steady-State Power Derating Curve

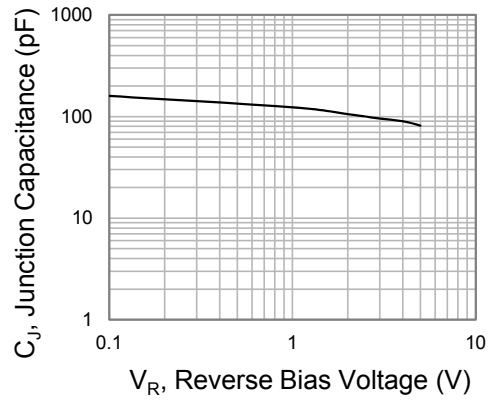


Fig.2 Typical Junction Capacitance

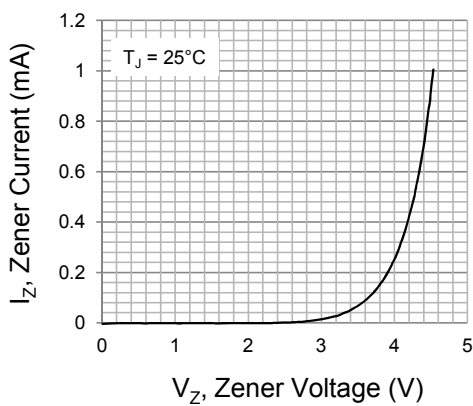


Fig.3 Typical Zener Characteristics

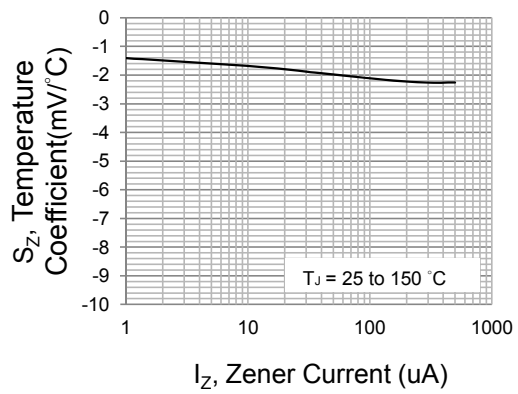


Fig.4 Temperature Coefficient As A Function Of Working Current; Typical Values.

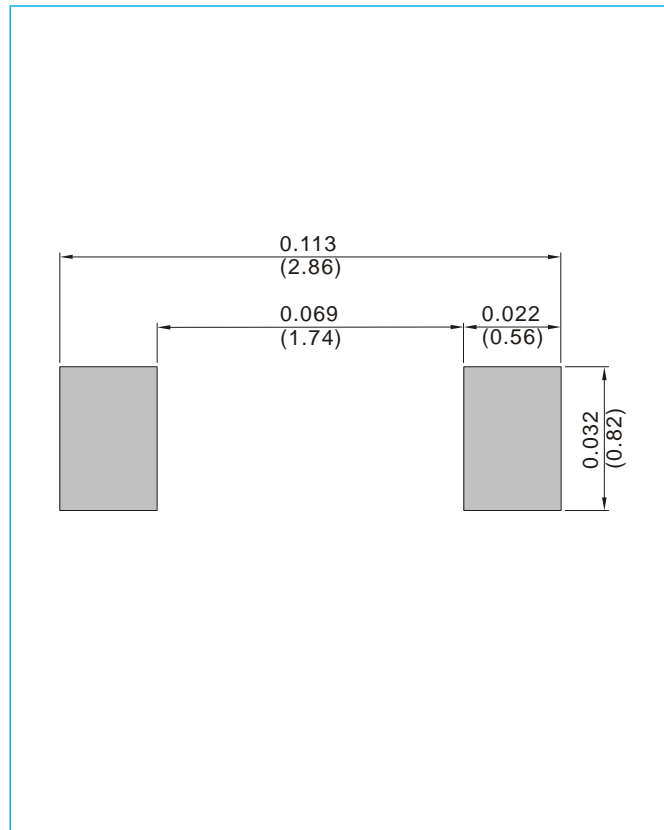


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MOUNTING PAD LAYOUT

SOD-323

Unit : inch(mm)



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 5K per 7" plastic Reel



PJZ4V3XBWS

Part No_packing code_Version

PJZ4V3XBWS_R1_00001

PJZ4V3XBWS_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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