



BZT52-C6V8FN2

SURFACE MOUNT ZENER DIODE

FEATURES

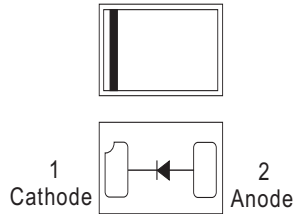
- Ultra-Small Leadless Surface Mount Package
- Ideally Suited for Automated Assembly Processes
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

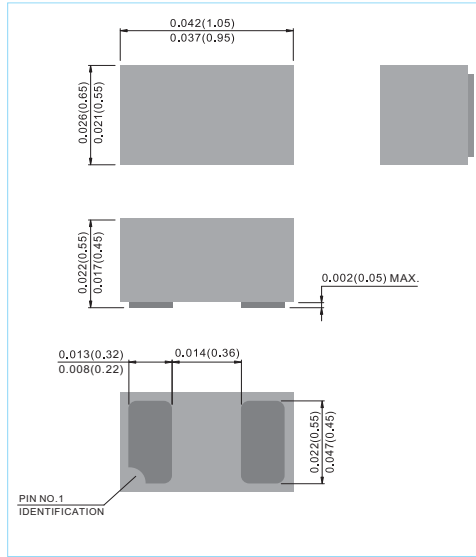
Case: DFN 2L, Plastic

Polarity : Color band cathode

Terminals: Solderable per MIL-STD-750, Method 2026



DFN 2L Unit : inch(mm)



Maximum Ratings @ T_A=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Forward Voltage (Note 1) @ I _F =10mA	V _F	0.9	V

Thermal Characteristics

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 2) T _A =25°C	P _D	250	mW
Thermal Resistance, Junction to Ambient Air (Note 2) T _A =25°C	R _{θJA}	500	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to + 150	°C

- Notes : 1. Short duration pulse test used to minimize self-heating effect
2. Device mounted on FR-4 PCB

Electrical Characteristics @ T_A=25°C unless otherwise specified

Part Number	Marking Code	Zener Voltage Range (Note 1)				Maximum Zener Impedance f=1KHz			Maximum Reverse Current (Note 1)	
		V _Z @ I _{ZT}			I _{ZT}	Z _{ZT} @ I _{ZT}	I _{ZK} @ I _{ZK}	I _R	V _R	
		Nom. V	Min. V	Max. V	I _Z (mA)	Ω	mA	μA	V	
BZT52-C6V8FN2	WC	6.8	6.46	7.14	5	15	80	1.0	2.0	4.0

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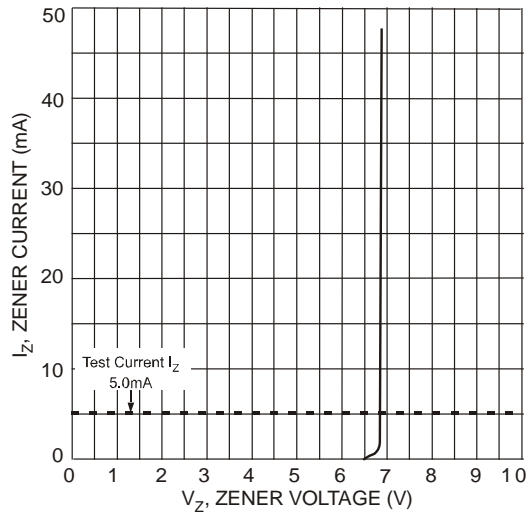
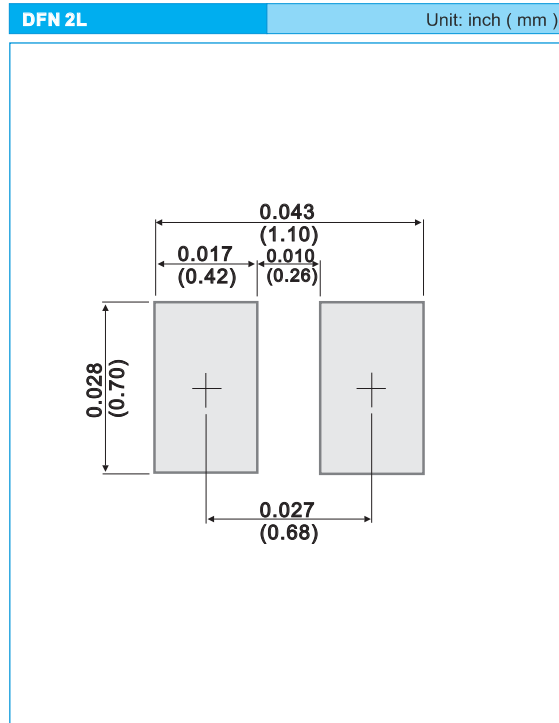


Fig. 1 Typical Zener Breakdown Characteristics



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 8K per 7" plastic Reel

LEGAL STATEMENT

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