



# BZT52-B5V1FN2 SERIES

## SURFACE MOUNT SILICON ZENER DIODES

<b>VOLTAGE</b>	<b>5.1~5.6 Volts</b>	<b>POWER</b>	<b>250 mWatts</b>
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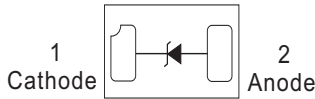
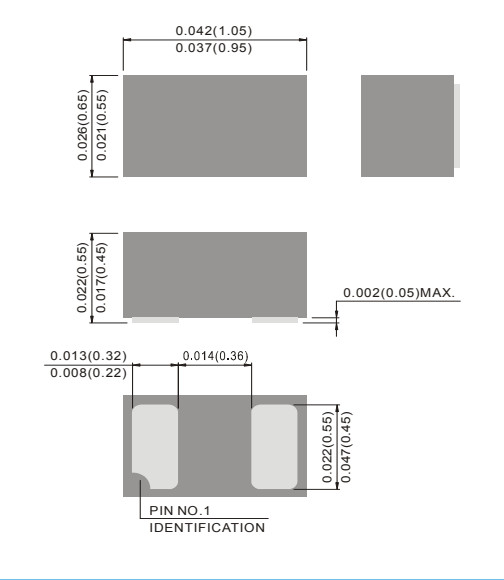
**DFN 2L** Unit : inch(mm)

### FEATURES

- Planar Die construction
- 250mW Power Dissipation
- Zener Voltages from 5.1-5.6V
- Ideally Suited for Automated Assembly Processes
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### MECHANICAL DATA

- Case: DFN-2L, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0011 grams , 0.00004 ounces
- Mounting Position: Any
- Polarity: Color band denotes cathode end



### MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Units
Power Dissipation	P <sub>D</sub>	250	mW
Thermal resistance Junction to Ambient ( Note 1)	R <sub>θJA</sub>	500	°C/W
Operating Junction Temperature and Storage Temperature Range	T <sub>J</sub>	-55 to +150	°C

### ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code
	V <sub>Z</sub> @ I <sub>ZT</sub>			Z <sub>ZT</sub> @ I <sub>ZT</sub>		Z <sub>ZK</sub> @ I <sub>ZK</sub>		I <sub>R</sub> @ V <sub>R</sub>		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V	
250 mWatts Zener Diodes										
BZT52-B5V1FN2	5.1	5.00	5.20	60	5.0	480	1.00	2	2	W9
BZT52-B5V6FN2	5.6	5.49	5.71	40	5.0	400	1.00	1	2	WA

NOTES:

1. Mounted on minimum pad layout .