

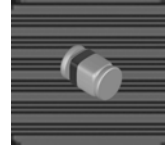
BZM55 Series

Zener Diodes

Zener Voltage Range: 2.4 to 75 Volts Power Dissipation: 500mW

Features

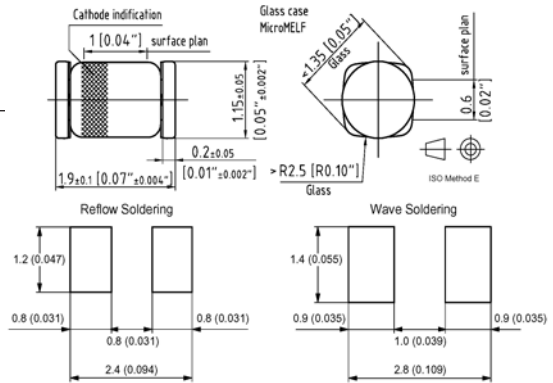
- ◆ Saving space
- ◆ Hermetic sealed parts
- ◆ Electrical data identical with the devices BZT55..Series
- ◆ Fits onto SOD-323 / SOD-110 footprints
- ◆ Very sharp reverse characteristic
- ◆ Low reverse current level
- ◆ Very high stability
- ◆ Low noise
- ◆ Available with tighter tolerances
- ◆ For voltage stabilization



Mechanical Data

- ◆ Case: MicroMELF
- ◆ Weight: approx. 12 mg

Package Dimensions in mm (inches)



Maximum Ratings and Thermal Characteristics

($T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified)

Parameter	Symbol	Value	Unit
Zener current (see Table "Characteristics")	I_Z	P_{tot}/V_Z	mA
Power dissipation at $R_{thJA} \leq 300\text{K/W}$	P_{tot}	500	mW
Junction temperature	T_j	175	$^{\circ}\text{C}$
Storage temperature range	T_{stg}	-65 to +175	$^{\circ}\text{C}$
Forward voltage at $I_F = 200\text{mA}$	V_F	1.5	V
Junction ambient (mounted on epoxy-glass hard tissue, Fig.1)	R_{thJA}	500	K/W
Junction ambient (35 μm copper clad, 0.9mm ² copper area per electrode)	R_{thJL}	300	K/W