



BZT52C2V0 - BZT52C75

Zener Voltage - 2 to 75 Volts Peak Pulse Power - 0.5 W

SURFACE MOUNT ZENER DIODE

Features

- ◆ Total power dissipation: Max. 500mW.
- ◆ Wide zener reverse voltage range 2.0V to 75V.
- ◆ Small plastic package suitable for surface mounted design.
- ◆ Tolerance approximately $\pm 5\%$

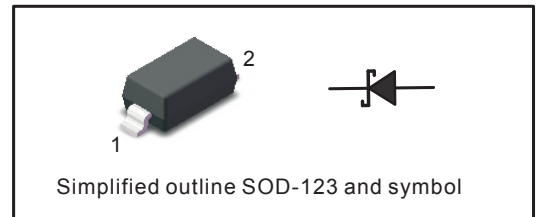
PINNING



PIN	DESCRIPTION
1	Cathode
2	Anode

Mechanical Data

Case : JEDEC SOD-123 Molded plastic body
Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
Polarity : Polarity symbol marking on body
Mounting Position : Any
Weight : 0.00056 ounce, 0.016 grams



Ordering Information

Type No.	Marking	Package Code
BZT52C2V0-BZT52C75	See table 2	SOD-123

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Forward Voltage @ I _F =10mA	V _F	0.9	V
Power Dissipation	P _d	500	mW
Typical thermal resistance junction to ambient ⁽¹⁾	R _{θJA}	340	°C/W
Junction temperature	T _J	-55-150	°C
Storage temperature range	T _{stg}	-55-150	°C

(1) Thermal resistance from junction to ambient at P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper areas pads.

Fig.1 Maximum Continuous Power Derating

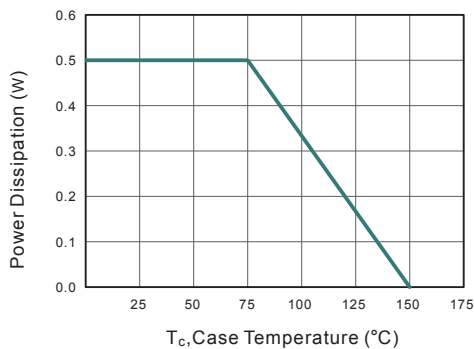


Fig.2 Typical Transient Thermal Impedance

