

Applications

- Zener diode
- Ultra-small surface mount package

**RoHS
Compliant**

Features

- Ideally suited for automated assembly processes
- Total power dissipation: max. 500mW
- General purpose, medium current
- Ideally suited for automated assembly processes
- The Plastic material carries

Maximum Ratings @ TA = 25°C unless otherwise specified

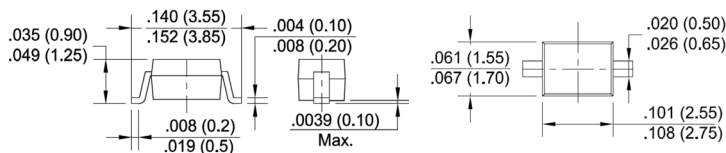
Characteristics	Symbol	Value	Unit
Maximum Forward Voltage @ IF = 10mA	V _F	0.9	V
Power Dissipation (Note 1)	P _{tot}	500	mW
Thermal resistance, Junction to ambient air	R _{θJA}	340	°C/W
Junction temperature	T _J	-55 to +150	°C
Storage Temperature Range	T _{STG}		

Note: 1. V_{ZT} is tested with pulses (20ms)

Electrical Characteristics (TA = 25°C unless otherwise noted)

Part Number	Zener Voltage Range				Dynamic Impedance				Max. Reverse Leakage Current		Marking
	V _{ZNOM}	V _{ZT}	V _{ZT}	AT I _{ZT}	Z _{ZT}	at I _{ZT}	Z _{ZK}	AT I _{ZK}	I _R	AT V _R	
	V	V (Min)	V (Max)	mA	Ω (Max.)	mA	Ω (Max.)	mA	μA	V	
BZT52C20	20	18.8	21.2	5	55	5	225	1	0.1	14	WM
BZT52C30	30	28	32	2	80	2	300	0.5		21	WQ

Package SOD - 123



Part Number Table

Description	Part Number
Zener Single Diode, 20V, 200mW	BZT52C20
Zener Single Diode, 30V, 200mW	BZT52C30

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