

Features

- AEC-Q101 Qualified
- · Planar Die Construction
- · General Purpose Medium Current
- · Ideally Suited for Automated Assembly Processes
- Halogen Free. "Green" Device (Note 1)
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

Operating Junction Temperature Range: -55°C to +150°C

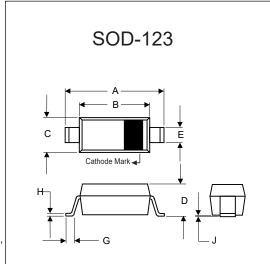
• Storage Temperature Range: -55°C to +150°C

• Thermal Resistance : 250°C/W Junction to Ambient

Parameter	Symbol	Rating	Conditions		
Power Dissipation	P_D	500mW			
Maximum Forward Voltage	V_{F}	0.9V	I _F =10mA		

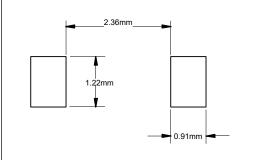
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

500 mW Zener Diode 75 Volts



DIMENSIONS							
DIM INC		HES	М	M	NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.140	0.152	3.55	3.85			
В	0.100	0.112	2.55	2.85			
С	0.055	0.067	1.40	1.70			
D		0.053		1.35			
E	0.018	0.026	0.45	0.65			
G	0.006	0.018	0.15	0.45			
Н		0.010		0.25			
J		0.006		0.15			

SUGGESTED SOLDER PAD LAYOUT





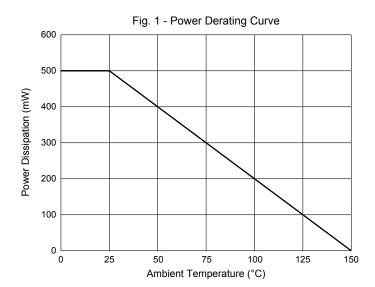
Electrical Characteristics @ 25°C Unless Otherwise Specified

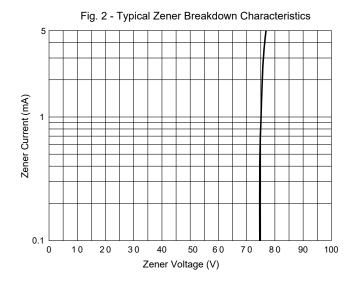
MCC Part Number	Zener Voltage		Maximum Zener Impedance ⁽²⁾		Maximum Zener Impedance ⁽²⁾		Maximum Reverse Current I _R (Max) @ V _R		Typical Temperature Coefficent @ I _{ZTC}		Marking Code	
		V _z @ I _{zT}		I _{ZT}	Z _{ZT} @ I _{ZT}	I _{ZK}	Z _{ZK} @ I _{ZK}	I _R	V_R	mV/°C	mV/°C	
	Min.(V)	Nom(V)	Max.(V)	mA	Ω	mA	Ω	μΑ	V	Min.	Max.	
BZT52C75HE3	71	75	79	2	255	0.5	500	0.05	52.5	73.4	88.6	5X4

Note: 2. f=1KHz



Curve Characteristics







Ordering Information

Device	Packing			
Part Number-TP	Tape&Reel:3Kpcs/Reel			

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