

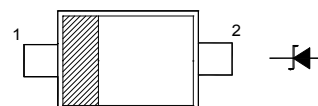
SILICON PLANAR ZENER DIODES

Features

- Standard Zener Breakdown Voltage Range
3.3 V
- Steady State Power Rating of 200 mW

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Top View
Simplified outline SOD-523 and symbol

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

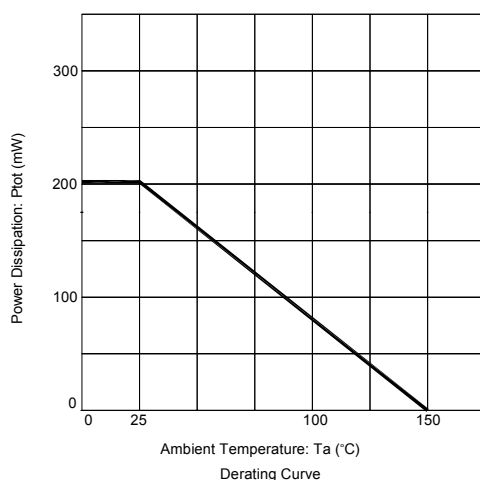
Parameter	Symbol	Value	Unit
Total Device Dissipation	P_{tot}	200	mW
Junction and Storage Temperature Range	T_j, T_{stg}	- 65 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$	V_F	0.9	V

Type	Marking Code	Zener Voltage ¹⁾				Zener Impedance			Leakage Current	
		V_{ZT} (V)			at I_{ZT}	Z_{ZT}	Z_{ZK}	at I_{ZK}	I_R	at V_R
		Min.	Nom.	Max.	mA	Ω	Ω	mA	μA	V
BZT52C3V3T	Z14	3.1	3.3	3.5	5	95	1000	1	20	1

¹⁾ Tested with pulses $t_p = 20\text{ ms}$.

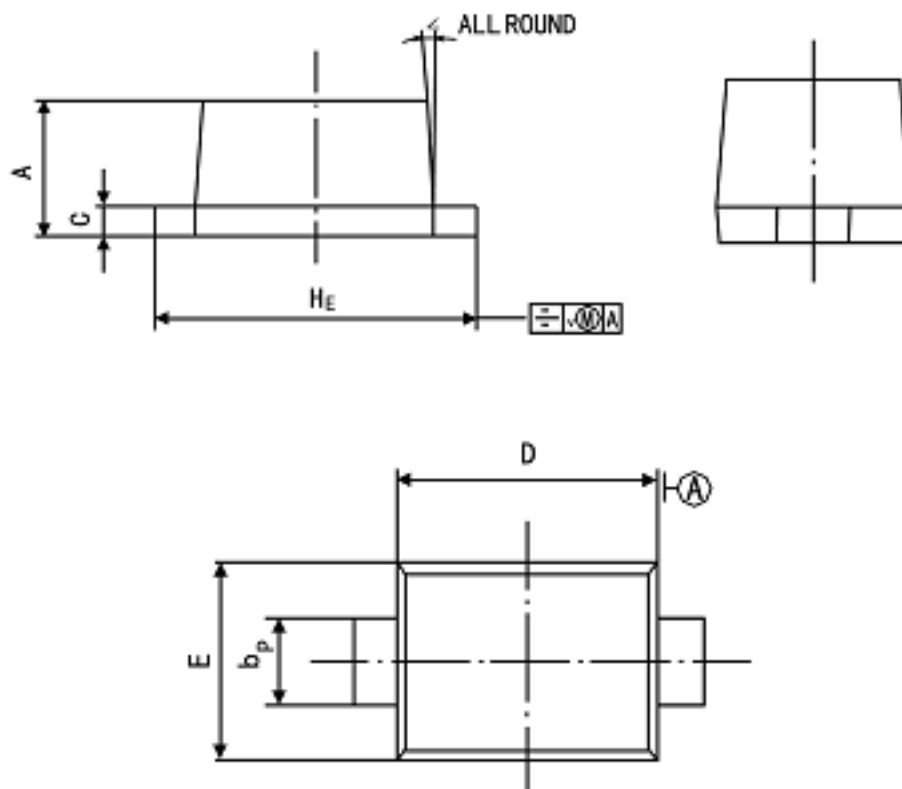




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



Symbol	Dimension in Millimeters	
	Min	Max
A	0.60	0.70
bp	0.30	0.40
C	0.100	0.14
D	1.15	1.25
E	0.75	0.85
HE	1.50	1.70
V	—	0.10
∠	—	5°