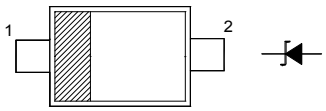
SILICON PLANAR ZENER DIODES

Features

- Standard Zener Breakdown Voltage Range 2.0 V to 75 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 °C)

Parameter	Symbol	Value	Unit
Total Device Dissipaton	P_{tot}	200	mW
Junction and Storage Temperature Range	T_j , T_{stg}	- 65 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I_F = 10 mA	V_F	0.9	V

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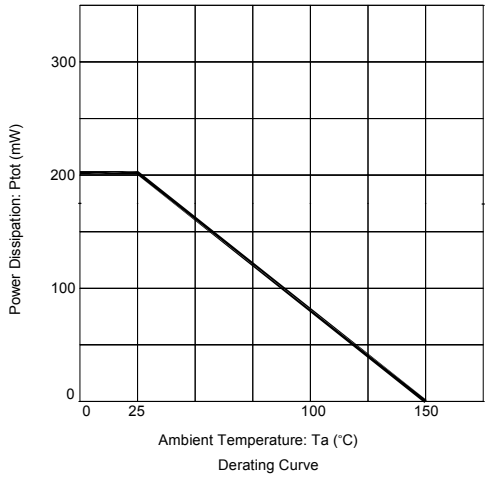
BZT52C2V0T THRU BZT52C75T

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
BZT52C2V0T	RD	1.8	2.0	2.15	5	100	-	-	120	0.5
BZT52C2V2T	RE	2.08	2.2	2.33	5	100	-	-	120	0.7
BZT52C2V4T	Z7	2.2	2.4	2.6	5	100	1000	1	120	1
BZT52C2V7T	A8	2.5	2.7	2.9	5	100	1000	1	120	1
BZT52C3V0T	B8	2.8	3.0	3.2	5	100	1000	1	50	1
BZT52C3V3T	C8	3.1	3.3	3.5	5	95	1000	1	20	1
BZT52C3V6T	D8	3.4	3.6	3.8	5	90	1000	1	10	1
BZT52C3V9T	E8	3.7	3.9	4.1	5	90	1000	1	5	1
BZT52C4V3T	F8	4	4.3	4.6	5	90	1000	1	5	1
BZT52C4V7T	G8	4.4	4.7	5	5	80	800	1	2	1
BZT52C5V1T	H8	4.8	5.1	5.4	5	60	500	1	2	1.5
BZT52C5V6T	I8	5.2	5.6	6	5	40	200	1	1	2.5
BZT52C6V2T	J8	5.8	6.2	6.6	5	10	100	1	1	3
BZT52C6V8T	K8	6.4	6.8	7.2	5	15	160	1	0.5	3.5
BZT52C7V5T	L8	7	7.5	7.9	5	15	160	1	0.5	4
BZT52C8V2T	M8	7.7	8.2	8.7	5	15	160	1	0.5	5
BZT52C9V1T	N8	8.5	9.1	9.6	5	15	160	1	0.5	6
BZT52C10T	O8	9.4	10	10.6	5	20	160	1	0.1	7
BZT52C11T	P8	10.4	11	11.6	5	20	160	1	0.1	8
BZT52C12T	Q8	11.4	12	12.7	5	25	80	1	0.1	9
BZT52C13T	R8	12.4	13	14.1	5	30	80	1	0.1	10
BZT52C15T	S8	14.3	15	15.8	5	30	80	1	0.1	11
BZT52C16T	T8	15.3	16	17.1	2	40	80	1	0.1	12
BZT52C18T	U8	16.8	18	19.1	2	45	80	1	0.1	13
BZT52C20T	V8	18.8	20	21.2	2	55	100	1	0.1	15
BZT52C22T	W8	20.8	22	23.3	2	55	100	1	0.1	17
BZT52C24T	X8	22.8	24	25.6	2	70	120	1	0.1	19
BZT52C27T	Y8	25.1	27	28.9	2	80	300	1	0.1	21
BZT52C30T	Z8	28	30	32	2	80	300	1	0.1	23
BZT52C33T	A9	31	33	35	2	80	300	1	0.1	25
BZT52C36T	B9	34	36	38	2	90	500	1	0.1	27
BZT52C39T	C9	37	39	41	2	130	500	1	2	30
BZT52C43T	D9	40	43	46	1	150	500	1	2	33
BZT52C47T	E9	44	47	50	1	170	500	1	2	36
BZT52C51T	F9	48	51	54	1	180	500	1	1	39
BZT52C56T	G9	52	56	60	1	200	500	1	1	43
BZT52C62T	H9	58	62	66	1	215	500	1	0.2	47
BZT52C68T	I9	64	68	72	1	240	500	1	0.2	52
BZT52C75T	J9	70	75	79	1	255	500	1	0.2	57

[1] Tested with pulses tp = 20 ms.

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BZT52C2V0T THRU BZT52C75T



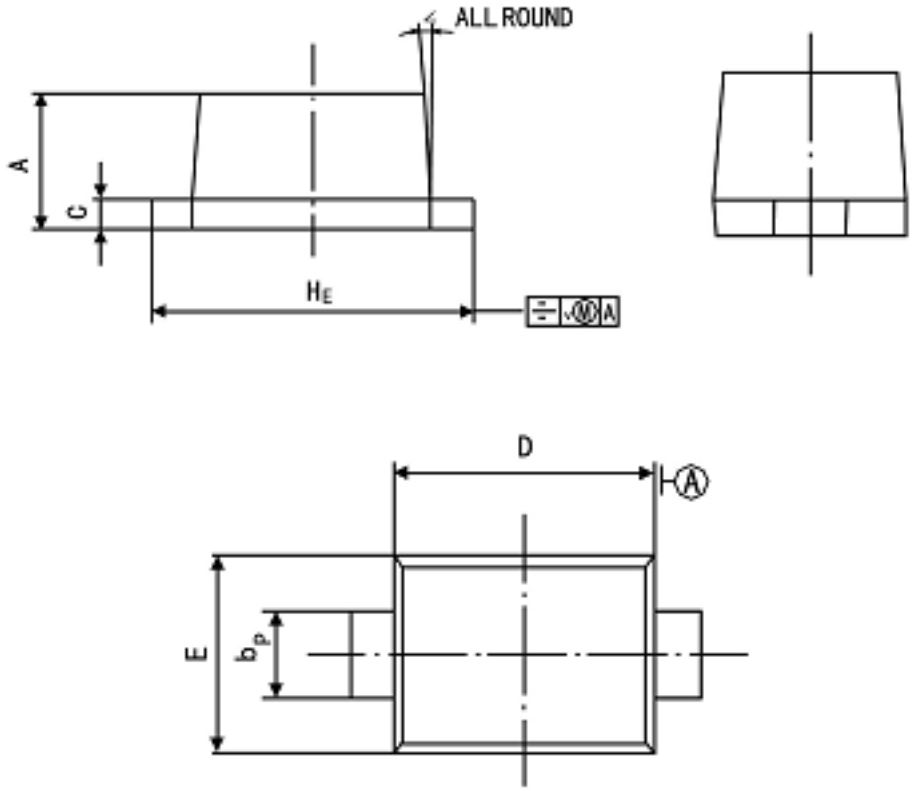
Derating Curve

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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°

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单击下面可查看定价，库存，交付和生命周期等信息

>>YONGYUTAI(永裕泰)

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