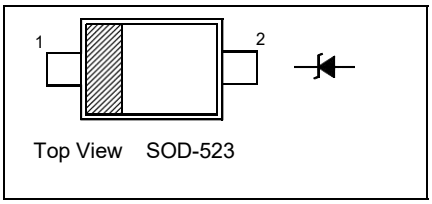
BZX584C2V0~BZX584C75

SILICON PLANAR ZENER DIODES

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Features

Standard Zener Breakdown Voltage Range

2.0 V to 75 V

Steady State Power Rating of 200 mW

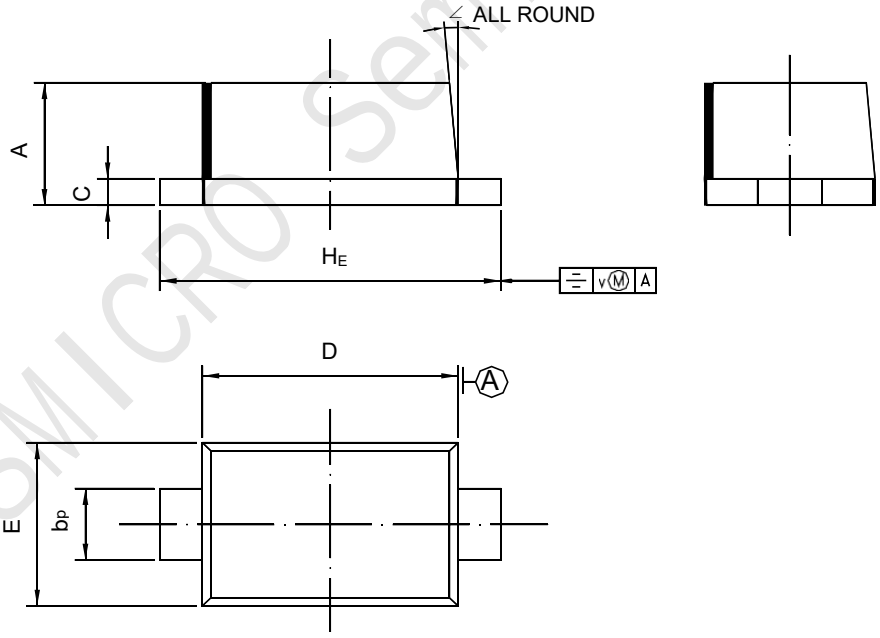
Absolute Maximum Ratings (T_a = 25 °C)

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

PACKAGE ： **SOD-523**



UNIT	A	b_p	C	D	E	H_E	V	∠
mm	0.70 0.60	0.4 0.3	0.135 0.127	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°

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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
BZX584C2V0	RD	1.8	2.0	2.15	5	100	-	-	120	0.5
BZX584C2V2	RE	2.08	2.2	2.33	5	100	-	-	120	0.7
BZX584C2V4	Z7/00	2.2	2.4	2.6	5	100	1000	1	120	1
BZX584C2V7	A8/01	2.5	2.7	2.9	5	100	1000	1	120	1
BZX584C3V0	B8/02	2.8	3.0	3.2	5	100	1000	1	50	1
BZX584C3V3	C8/05	3.1	3.3	3.5	5	95	1000	1	20	1
BZX584C3V6	D8/06	3.4	3.6	3.8	5	90	1000	1	10	1
BZX584C3V9	E8	3.7	3.9	4.1	5	90	1000	1	5	1
BZX584C4V3	F8/08	4	4.3	4.6	5	90	1000	1	5	1
BZX584C4V7	G8/09	4.4	4.7	5	5	80	800	1	2	1
BZX584C5V1	H8/0A	4.8	5.1	5.4	5	60	500	1	2	1.5
BZX584C5V6	I8/0C	5.2	5.6	6	5	40	200	1	1	2.5
BZX584C6V2	J8/0E	5.8	6.2	6.6	5	10	100	1	1	3
BZX584C6V8	K8/0F	6.4	6.8	7.2	5	15	160	1	0.5	3.5
BZX584C7V5	L8/0G	7	7.5	7.9	5	15	160	1	0.5	4
BZX584C8V2	M8/0H	7.7	8.2	8.7	5	15	160	1	0.5	5
BZX584C9V1	N8/0K	8.5	9.1	9.6	5	15	160	1	0.5	6
BZX584C10	O8/0L	9.4	10	10.6	5	20	160	1	0.1	7
BZX584C11	P8/0M	10.4	11	11.6	5	20	160	1	0.1	8
BZX584C12	Q8/0N	11.4	12	12.7	5	25	80	1	0.1	9
BZX584C13	R8/0P	12.4	13.25	14.1	5	30	80	1	0.1	10
BZX584C15	S8/0T	14.3	15	15.8	5	30	80	1	0.1	11
BZX584C16	T8/0U	15.3	16.2	17.1	2	40	80	1	0.1	12
BZX584C18	U8/0W	16.8	18	19.1	2	45	80	1	0.1	13
BZX584C20	V8/0Z	18.8	20	21.2	2	55	100	1	0.1	15
BZX584C22	W8/10	20.8	22	23.3	2	55	100	1	0.1	17
BZX584C24	X8/11	22.8	24.2	25.6	2	70	120	1	0.1	19
BZX584C27	Y8/12	25.1	27	28.9	2	80	300	1	0.1	21
BZX584C30	Z8/14	28	30	32	2	80	300	1	0.1	23
BZX584C33	A9/18	31	33	35	2	80	300	1	0.1	25
BZX584C36	B9/19	34	36	38	2	90	500	1	0.1	27
BZX584C39	C9/20	37	39	41	2	130	500	1	2	30
BZX584C43	D9/Y15/21	40	43	46	1	150	500	1	2	33
BZX584C47	E9/1A	44	47	50	1	170	500	1	2	36
BZX584C51	F9/1C	48	51	54	1	180	500	1	1	39
BZX584C56	G9/1D	52	56	60	1	200	500	1	1	43
BZX584C62	H9/1E	58	62	66	1	215	500	1	0.2	47
BZX584C68	I9/1F	64	68	72	1	240	500	1	0.2	52
BZX584C75	J9/1G	70	75	79	1	255	500	1	0.2	57

[1] Tested with pulses tp = 20 ms.

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