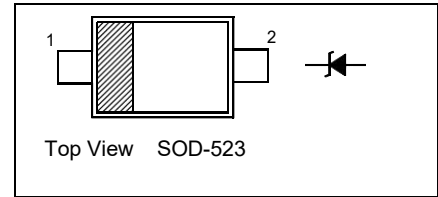


**Features**

- 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



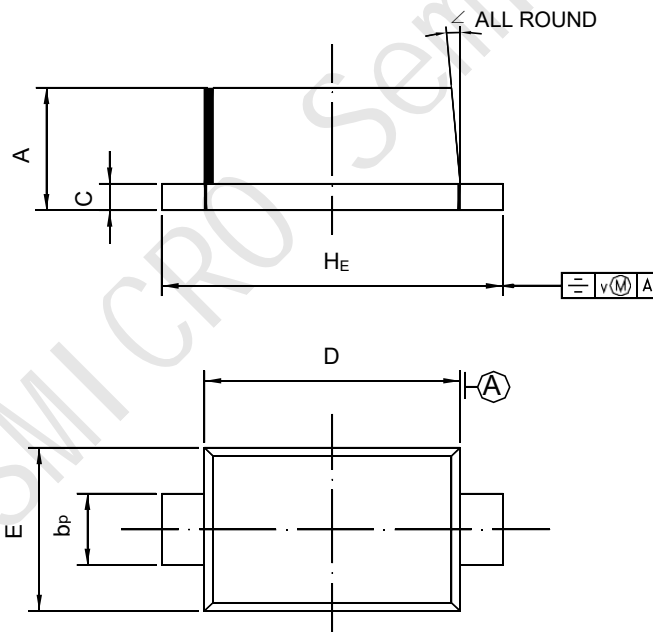
**Absolute Maximum Ratings (T<sub>a</sub> = 25 °C)**

Parameter	Symbol	Value	Unit
Total Device Dissipation	P <sub>tot</sub>	200	mW
Junction and Storage Temperature Range	T <sub>j</sub> , T <sub>stg</sub>	- 65 to + 150	°C

**Characteristics at T<sub>a</sub> = 25 °C**

Parameter	Symbol	Max.	Unit
Forward Voltage at I <sub>F</sub> = 10 mA	V <sub>F</sub>	0.9	V

**PACKAGE :**



**SOD-523**

UNIT	A	b <sub>p</sub>	C	D	E	H <sub>E</sub>	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°

Type	Marking Code	Zener Voltage <sup>1)</sup>				Zener Impedance			Leakage Current	
		V <sub>ZT</sub> (V)			at I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	at I <sub>ZK</sub>	I <sub>R</sub>	at V <sub>R</sub>
		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	2.2	2.4	2.6	5	100	1000	1	120	1
BZX584C2V7	A8	2.5	2.7	2.9	5	100	1000	1	120	1
BZX584C3V0	B8	2.8	3.0	3.2	5	100	1000	1	50	1
BZX584C3V3	C8	3.1	3.3	3.5	5	95	1000	1	20	1
BZX584C3V6	D8/O6	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	4	4.3	4.6	5	90	1000	1	5	1
BZX584C4V7	G8	4.4	4.7	5	5	80	800	1	2	1
BZX584C5V1	H8	4.8	5.1	5.4	5	60	500	1	2	1.5
BZX584C5V6	I8	5.2	5.6	6	5	40	200	1	1	2.5
BZX584C6V2	J8	5.8	6.2	6.6	5	10	100	1	1	3
BZX584C6V8	K8	6.4	6.8	7.2	5	15	160	1	0.5	3.5
BZX584C7V5	L8	7	7.5	7.9	5	15	160	1	0.5	4
BZX584C8V2	M8	7.7	8.2	8.7	5	15	160	1	0.5	5
BZX584C9V1	N8/OK	8.5	9.1	9.6	5	15	160	1	0.5	6
BZX584C10	O8	9.4	10	10.6	5	20	160	1	0.1	7
BZX584C11	P8	10.4	11	11.6	5	20	160	1	0.1	8
BZX584C12	Q8	11.4	12	12.7	5	25	80	1	0.1	9
BZX584C13	R8	12.4	13.25	14.1	5	30	80	1	0.1	10
BZX584C15	S8	14.3	15	15.8	5	30	80	1	0.1	11
BZX584C16	T8	15.3	16.2	17.1	2	40	80	1	0.1	12
BZX584C18	U8	16.8	18	19.1	2	45	80	1	0.1	13
BZX584C20	V8	18.8	20	21.2	2	55	100	1	0.1	15
BZX584C22	W8	20.8	22	23.3	2	55	100	1	0.1	17
BZX584C24	X8	22.8	24.2	25.6	2	70	120	1	0.1	19
BZX584C27	Y8	25.1	27	28.9	2	80	300	1	0.1	21
BZX584C30	Z8	28	30	32	2	80	300	1	0.1	23
BZX584C33	A9	31	33	35	2	80	300	1	0.1	25
BZX584C36	B9	34	36	38	2	90	500	1	0.1	27
BZX584C39	C9	37	39	41	2	130	500	1	2	30
BZX584C43	D9	40	43	46	1	150	500	1	2	33
BZX584C47	E9	44	47	50	1	170	500	1	2	36
BZX584C51	F9	48	51	54	1	180	500	1	1	39
BZX584C56	G9	52	56	60	1	200	500	1	1	43
BZX584C62	H9	58	62	66	1	215	500	1	0.2	47
BZX584C68	I9	64	68	72	1	240	500	1	0.2	52
BZX584C75	J9	70	75	79	1	255	500	1	0.2	57

<sup>1)</sup> Tested with pulses tp = 20 ms.

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