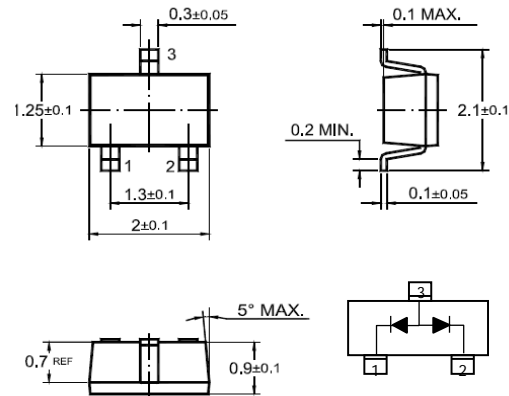


BZX84C..CAW Series

SILICON ZENER DIODE

SOT-323



Dimensions in millimeters

Features :

- * Zener breakdown voltage range : 2.4 V to 75 V
- * Dual Silicon Zener Diodes, Common Anode
- * Small Package Size for High Density Applications
- * Pb / RoHS Free

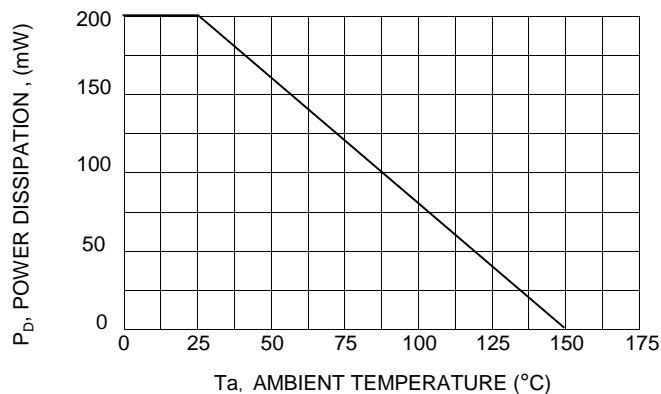
MECHANICAL DATA :

- * Case : SOT-323 plastic Case

Absolute Maximum Ratings (Ta = 25 °C)

RATING	SYMBOL	VALUE	UNIT
Power Dissipation	P_D	200	mW
Maximum Forward Voltage at $I_F = 10 \text{ mA}$	V_F	0.9	V
Operating Junction and Storage Temperature Range	T_J, T_{STG}	- 55 to + 150	°C

Fig. 1 POWER TEMPERATURE DERATING CURVE





ELECTRICAL CHARACTERISTICS (Ta=25 °C unless otherwise noted)

Type No.	Marking Code	Zener Voltage ⁽¹⁾		Test Current	Max. Dynamic Resistance		Test Current	Maximum Reverse Voltage	
		V _Z @ I _{ZT} (V)		I _{ZT}	Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R at V _R	
		Min.	Max.	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)
BZX84C2V4CAW	BE	2.2	2.6	5.0	100	600	1.0	50	1.0
BZX84C2V4CAW	BF	2.5	2.9	5.0	100	600	1.0	20	1.0
BZX84C3V0CAW	BH	2.8	3.2	5.0	95	600	1.0	20	1.0
BZX84C3V3CAW	BJ	3.1	3.5	5.0	95	600	1.0	5.0	1.0
BZX84C3V6CAW	BK	3.4	3.8	5.0	90	600	1.0	5.0	1.0
BZX84C3V9CAW	BM	3.7	4.1	5.0	90	600	1.0	3.0	1.0
BZX84C4V3CAW	BN	4.0	4.6	5.0	90	600	1.0	3.0	1.0
BZX84C4V7CAW	BP	4.4	5.0	5.0	80	600	1.0	3.0	2.0
BZX84C5V1CAW	BR	4.8	5.4	5.0	60	500	1.0	2.0	2.0
BZX84C5V6CAW	BX	5.2	6.0	5.0	40	480	1.0	1.0	2.0
BZX84C6V2CAW	BY	5.8	6.6	5.0	10	400	1.0	3.0	4.0
BZX84C6V8CAW	BZ	6.4	7.2	5.0	15	150	1.0	2.0	4.0
BZX84C7V5CAW	CA	7.0	7.9	5.0	15	80	1.0	1.0	5.0
BZX84C8V2CAW	CB	7.7	8.7	5.0	15	80	1.0	0.7	5.0
BZX84C9V1CAW	CC	8.5	9.6	5.0	15	80	1.0	0.5	6.0
BZX84C10CAW	CD	9.4	10.6	5.0	20	100	1.0	0.2	7.0
BZX84C11CAW	CE	10.4	11.6	5.0	20	150	1.0	0.1	8.0
BZX84C12CAW	CF	11.4	12.7	5.0	25	150	1.0	0.1	8.0
BZX84C13CAW	CH	12.4	14.1	5.0	30	150	1.0	0.1	8.0
BZX84C15CAW	CJ	13.8	15.6	5.0	30	170	1.0	0.1	10.5
BZX84C16CAW	CK	15.3	17.1	5.0	40	200	1.0	0.1	11.2
BZX84C18CAW	CM	16.8	19.1	5.0	45	200	1.0	0.1	12.6
BZX84C20CAW	CN	18.8	21.2	5.0	55	225	1.0	0.1	14.0
BZX84C22CAW	CP	20.8	23.3	5.0	55	225	1.0	0.1	15.4
BZX84C24CAW	CR	22.8	25.6	5.0	70	250	1.0	0.1	16.8
BZX84C27CAW	CX	25.1	28.9	2.0	80	250	0.5	0.1	18.9
BZX84C30CAW	CY	28	32	2.0	80	300	0.5	0.1	21.0
BZX84C33CAW	CZ	31	35	2.0	80	300	0.5	0.1	23.1
BZX84C36CAW	DE	34	38	2.0	90	325	0.5	0.1	25.2
BZX84C39CAW	DF	37	41	2.0	130	350	0.5	0.1	27.3
BZX84C43CAW	DH	40	46	2.0	150	375	0.5	0.1	30.1
BZX84C47CAW	DJ	44	50	2.0	170	375	0.5	0.1	32.9
BZX84C51CAW	DK	48	54	2.0	180	400	0.5	0.1	35.7
BZX84C56CAW	DM	52	60	2.0	200	425	0.5	0.1	39.2
BZX84C62CAW	DN	58	66	2.0	215	450	0.5	0.1	43.4
BZX84C68CAW	DP	64	72	2.0	240	475	0.5	0.1	47.6
BZX84C75CAW	DR	70	79	2.0	255	500	0.5	0.1	52.5

Note : (1) Tested with pulses tp = 20 ms.