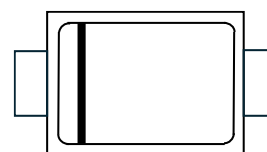


FEATURES AND BENEFITS

Product Summary		
P_D	150mW	@25 °C
I_{ZT}	2 / 5mA	@25 °C
V_{RRM}	2.4 – 75V	@25 °C

- Constant Voltage control
- Wide Voltage Range Selection 2.4V to 75V
- RoHS Compliant / Green EMC UL Flammability Classification Rating 94V-0
- Matte Tin (Sn) Lead finish Solderable per MIL-STD-202, Method 208
- Moisture Sensitivity: Level 1 per J-STD-020
- Weight: 0.0005 grams (Approximate)

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Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Power Dissipation	P_{TM}	150	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-55 to +150	°C

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

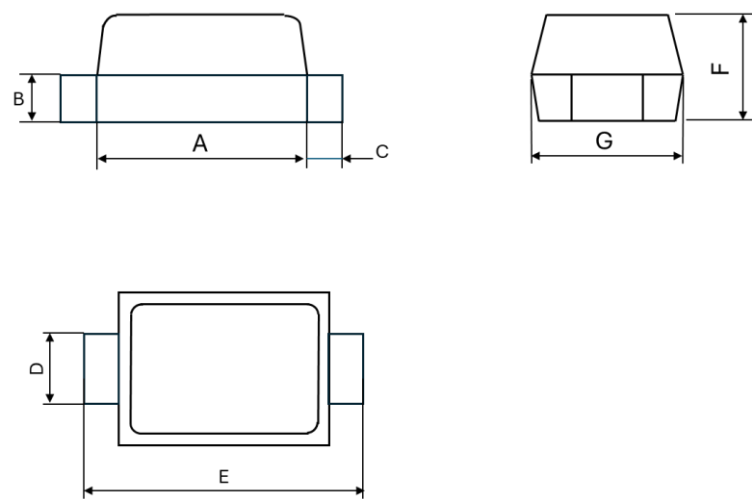
*1 Pulse width = 10 ms

Type Number	Device Marking	Vz (V) *1			I _{ZT}	Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK}	I _{zk} (mA)	I _R (uA)	V _R (V)
		Nom(V)	Min(V)	Max(V)	mA	Ω				
BZX984C2V4	Z1	2.4	2.20	2.60	5	100	600	1.0	50	1.0
BZX984C2V7	Z2	2.7	2.5	2.9	5	100	600	1.0	20	1.0
BZX984C3V0	Z3	3.0	2.8	3.2	5	95	600	1.0	10	1.0
BZX984C3V3	Z4	3.3	3.1	3.5	5	95	600	1.0	5	1.0
BZX984C3V6	Z5	3.6	3.4	3.8	5	90	600	1.0	5	1.0
BZX984C3V9	Z6	3.9	3.7	4.1	5	90	600	1.0	3	1.0
BZX984C4V3	Z7	4.3	4.0	4.6	5	90	600	1.0	3	1.0
BZX984C4V7	X1	4.7	4.4	5.0	5	80	500	1.0	3	2.0
BZX984C5V1	X2	5.1	4.8	5.4	5	60	480	1.0	2	2.0
BZX984C5V6	X3	5.6	5.2	6.0	5	40	400	1.0	1	2.0

Type Number	Device Marking	Vz (V) *1			IzT	ZzT@IzT	Zzk@Izk	Izk (mA)	IR (uA)	VR (V)
		Nom(V)	Min(V)	Max(V)						
BZX984C6V2	X4	6.2	5.8	6.6	5	10	150	1.0	3	4.0
BZX984C6V8	X5	6.8	6.4	7.2	5	15	80	1.0	2	4.0
BZX984C7V5	X6	7.5	7.0	7.9	5	15	80	1.0	1	5.0
BZX984C8V2	X7	8.2	7.7	8.7	5	15	80	1.0	0.7	5.0
BZX984C9V1	X8	9.1	8.5	9.6	5	15	100	1.0	0.5	6.0
BZX984C10	X9	10.0	9.4	10.6	5	20	150	1.0	0.2	7.0
BZX984C11	W1	11.0	10.4	11.6	5	20	150	1.0	0.1	8.0
BZX984C12	W2	12.0	11.40	12.7	5	25	150	1.0	0.1	8.0
BZX984C13	W3	13.0	12.40	14.10	5	30	170	1.0	0.1	8.0
BZX984C15	W4	15.0	13.8	15.6	5	30	200	1.0	0.1	10.5
BZX984C16	W5	16.0	15.3	17.1	5	40	200	1.0	0.1	11.2
BZX984C18	W6	18.0	16.8	19.1	5	45	225	1.0	0.1	12.6
BZX984C20	W7	20.0	18.8	21.2	5	55	225	1.0	0.1	14.0
BZX984C22	W8	22.0	20.8	23.3	5	55	250	1.0	0.1	15.4
BZX984C24	W9	24.0	22.80	25.6	5	70	250	1.0	0.1	16.8
BZX984C27	Y1	27.0	25.1	28.9	2	80	300	0.5	0.1	18.9
BZX984C30	Y2	30.0	28.0	32.0	2	80	300	0.5	0.1	21.0
BZX984C33	Y3	33.0	31.0	35.0	2	80	325	0.5	0.1	23.1
BZX984C36	Y4	36.0	34.0	38.0	2	90	350	0.5	0.1	25.2
BZX984C39	Y5	39.0	37.0	41.0	2	130	350	0.5	0.1	27.3
BZX984C43	Y6	43.0	40.0	46.0	2	150	375	0.5	0.05	30.1
BZX984C47	V1	47.0	44.65	49.35	2	170	1000	0.25	0.1	36
BZX984C51	V2	51	48.45	53.55	2	180	1300	0.25	0.1	39
BZX984C56	V3	56	53.20	58.80	2	200	1400	0.25	0.1	43
BZX984C62	V4	62	58.90	65.10	2	225	1400	0.25	0.1	47
BZX984C68	V5	68	64.60	71.40	2	240	1600	0.25	0.1	52
BZX984C75	V6	75	71.25	78.75	2	265	1700	0.25	0.1	56

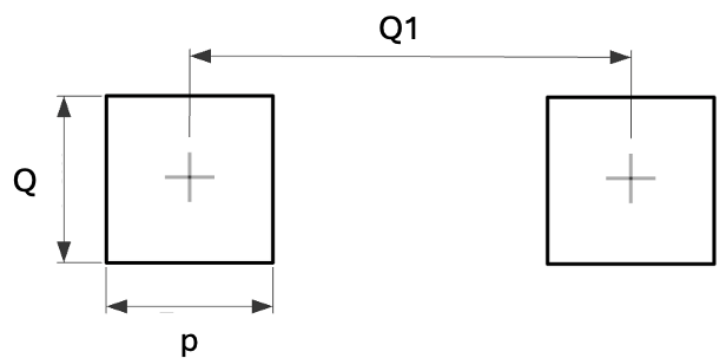
PACKAGE OUTLINE DIMENSIONS

SOD-923



Symbol	MIN	MAX
A	0.70	0.90
B	0.06	0.20
C	0.05	0.15
D	0.15	0.30
E	0.90	1.10
F	0.39	0.45
G	0.55	0.65
Unit: mm		

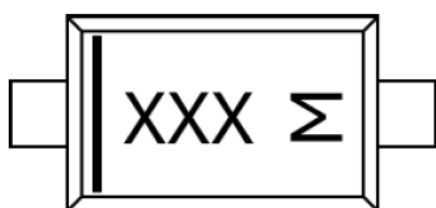
SUGGESTED PAD LAYOUT



Symbol	Typ
Q1	1.40
Q	0.45
p	0.45
Unit: mm	

DEVICE MARKING CODE AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
BZX984C series	Refer to Device Marking	8000/7"Reel	Tape & Reel



Cathode Band

XXX: Product Marking Code

Σ : Date Code (Rotate 90° counterclockwise)

Odd Year	Even Year
1	E
2	F
3	H
4	J
5	K
6	L
7	N
8	P
9	U
T	X
V	Y
C	Z

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