



# BZX784C2V4~BZX784C75

## SURFACE MOUNT SILICON ZENER DIODES

**VOLTAGE**

**2.4 to 75 Volts**

**POWER**

**200 mWatts**

**SOD-723**

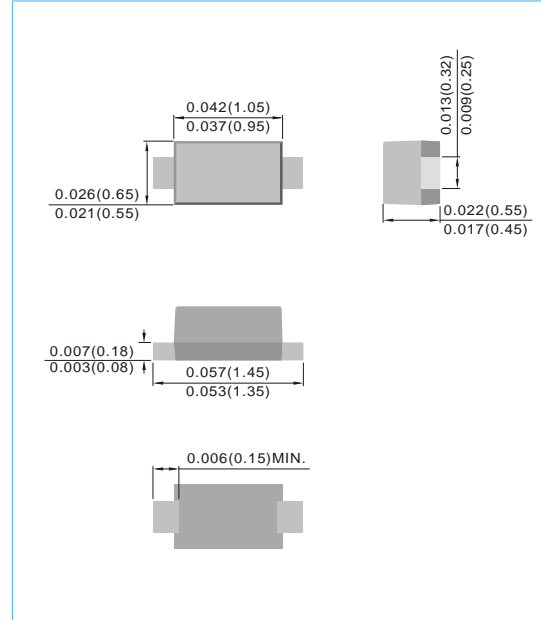
Unit : inch(mm)

### FEATURES

- Planar Die construction
- 200 mW Power Dissipation
- Zener Voltages from 2.4~75V
- Ideally Suited for Automated Assembly Processes
- In compliance with EU RoHS 2002/95/EC directives

### MECHANICAL DATA

- Case: SOD-723, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Mounting Position: Any
- Approx. Weight: 0.00003 ounces, 0.0008 grams

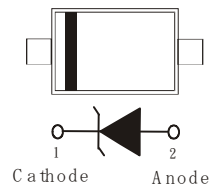


### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNITS
Power Dissipation @T <sub>A</sub> =25°C(Note A)	P <sub>D</sub>	200	mW
Operating Junction and Storage Temperature Range	T <sub>J</sub>	-55 to +150	°C

#### NOTES:

A. Mounted on 5.0mm<sup>2</sup>(.013mm thick) land areas.





## BZX784C2V4~BZX784C75

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code
	V <sub>Z</sub> @ I <sub>ZT</sub>			Z <sub>ZT</sub> @ I <sub>ZT</sub>		Z <sub>ZK</sub> @ I <sub>ZK</sub>		I <sub>R</sub> @ V <sub>R</sub>		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V	
<b>200 mWatts Zener Diodes</b>										
BZX784C2V4	2.4	2.28	2.52	100	5.0	600	1.00	50	1.0	W1
BZX784C2V7	2.7	2.57	2.84	100	5.0	600	1.00	20	1.0	W2
BZX784C3	3	2.85	3.15	95	5.0	600	1.00	10	1.0	W3
BZX784C3V3	3.3	3.14	3.47	95	5.0	600	1.00	5.0	1.0	W4
BZX784C3V6	3.6	3.42	3.78	90	5.0	600	1.00	5.0	1.0	W5
BZX784C3V9	3.9	3.71	4.10	90	5.0	600	1.00	3.0	1.0	W6
BZX784C4V3	4.3	4.09	4.52	90	5.0	600	1.00	3.0	1.0	W7
BZX784C4V7	4.7	4.47	4.94	80	5.0	500	1.00	3.0	2.0	W8
BZX784C5V1	5.1	4.85	5.36	60	5.0	480	1.00	2.0	2.0	W9
BZX784C5V6	5.6	5.32	5.88	40	5.0	400	1.00	1.0	2.0	WA
BZX784C6V2	6.2	5.89	6.51	10	5.0	150	1.00	3.0	4.0	WB
BZX784C6V8	6.8	6.46	7.14	15	5.0	80	1.00	2.0	4.0	WC
BZX784C7V5	7.5	7.13	7.88	15	5.0	80	1.00	1.0	5.0	WD
BZX784C8V2	8.2	7.79	8.61	15	5.0	80	1.00	0.7	5.0	WE
BZX784C8V7	8.7	8.27	9.14	15	5.0	100	1.00	0.7	5.0	3C
BZX784C9V1	9.1	8.65	9.56	15	5.0	100	1.00	0.5	6.0	WF
BZX784C10	10	9.50	10.50	20	5.0	150	1.00	0.2	7.0	XB
BZX784C11	11	10.45	11.55	20	5.0	150	1.00	0.1	8.0	WH
BZX784C12	12	11.40	12.60	25	5.0	150	1.00	0.1	8.0	WI
BZX784C13	13	12.35	13.65	30	5.0	170	1.00	0.1	8.0	WK
BZX784C14	14	13.30	14.70	30	5.0	170	1.00	0.1	10.00	WJ
BZX784C15	15	14.25	15.75	30	5.0	200	1.00	0.1	10.50	WL
BZX784C16	16	15.20	16.80	40	5.0	200	1.00	0.1	11.20	WM
BZX784C17	17	16.15	17.85	40	5.0	200	1.00	0.1	12.20	4C
BZX784C18	18	17.10	18.90	45	5.0	225	1.00	0.1	12.60	WN
BZX784C20	20	19.00	21.00	55	5.0	225	1.00	0.1	14.00	WO
BZX784C22	22	20.90	23.10	55	5.0	250	1.00	0.1	15.40	WP
BZX784C24	24	22.80	25.20	70	5.0	250	1.00	0.1	16.80	WR
BZX784C27	27	25.65	28.35	80	5.0	300	1.00	0.1	18.90	WS
BZX784C28	28	26.60	29.40	80	5.0	300	1.00	0.1	20.50	5C
BZX784C30	30	28.50	31.50	80	5.0	300	1.00	0.1	21.00	WT
BZX784C33	33	31.35	34.65	80	5.0	325	1.00	0.1	23.10	WU
BZX784C36	36	34.20	37.80	90	5.0	350	1.00	0.1	25.20	WW
BZX784C39	39	37.05	40.95	130	5.0	350	1.00	0.1	27.30	WX
BZX784C43	43	40.85	45.15	150	5.0	375	1.00	0.1	30.10	WY
BZX784C47	47	44.65	49.35	170	5.0	375	1.00	0.1	32.90	WZ
BZX784C51	51	48.45	53.55	100	5.0	400	1.00	0.1	38.00	XA
BZX784C56	56	53.20	58.80	135	2.5	1000	1.00	0.1	42.00	X2
BZX784C62	62	58.90	65.10	150	2.5	1000	1.00	0.1	46.00	X3
BZX784C68	68	64.60	71.40	200	2.5	1000	1.00	0.1	51.00	X4
BZX784C75	75	71.25	78.75	250	2.5	1000	1.00	0.1	56.00	X5



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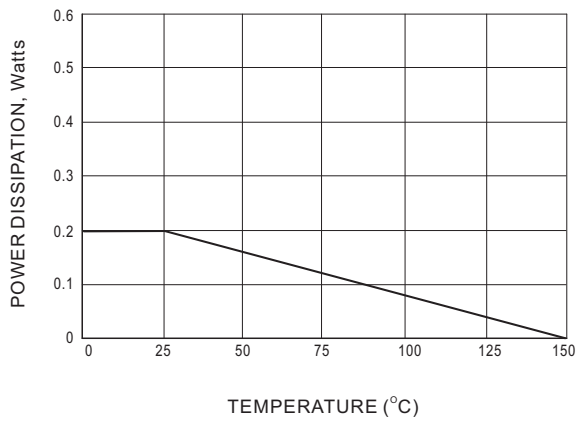


Fig.1 STEADY STATE POWER DERATING

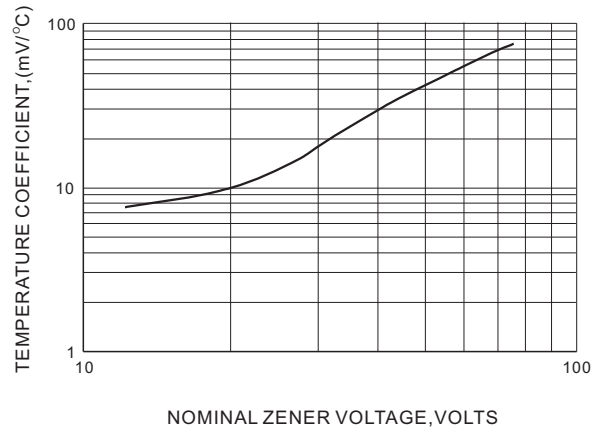


Fig.2 TEMPERATURE COEFFICIENTS

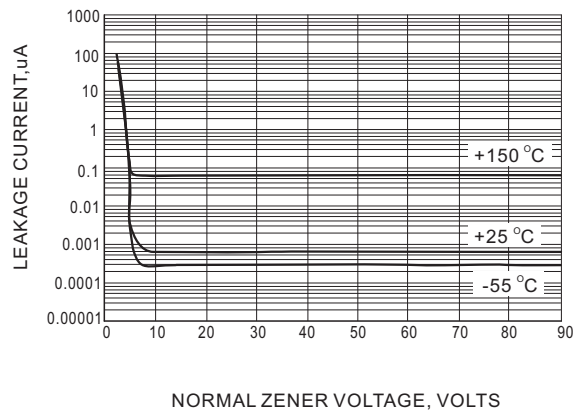


Fig.3 TYPICAL LEAKAGE CURRENT

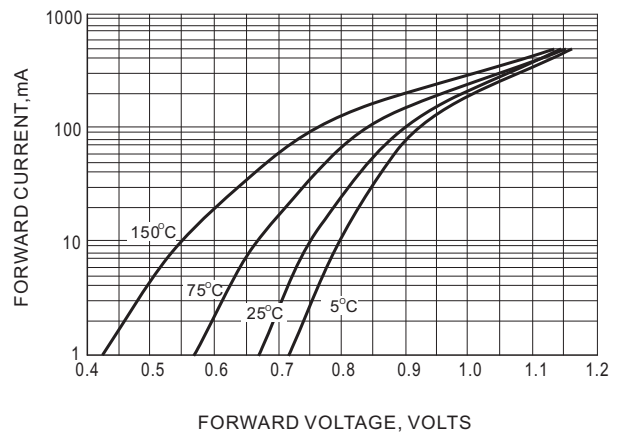
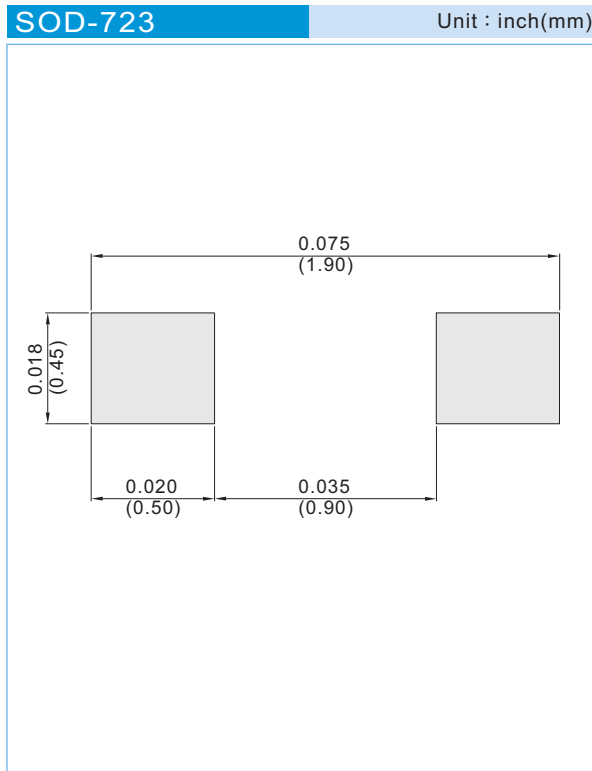


Fig.4 TYPICAL FORWARD VOLTAGE



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## MOUNTING PAD LAYOUT



## ORDER INFORMATION

- Packing information  
T/R - 8K per 7" plastic Reel

## LEGAL STATEMENT

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