



Micro Commercial Components

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# BZX384C2V4 THRU BZX384C39

## Small Signal Zener Diode 2.4 to 39 Volts

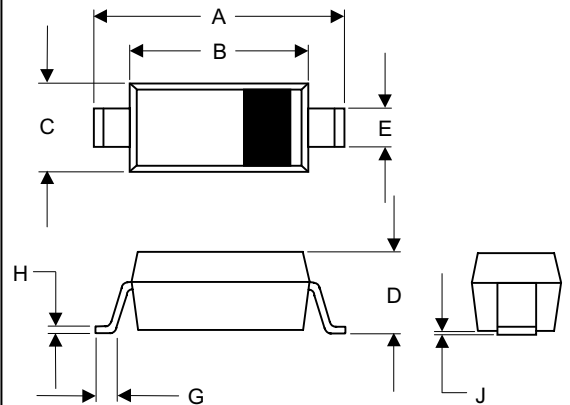
### Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Low reverse current level
- For Surface Mount Applications
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

### Maximum Ratings

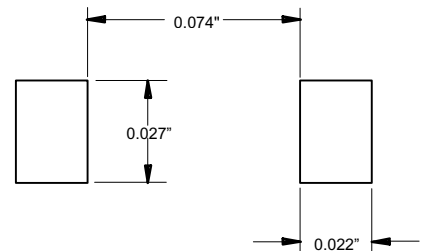
- Junction Temperature: 150°C
- Storage Temperature: -65°C to +150°C
- Power Dissipation: 200mW
- Maximum Forward Voltage @ 100mA: 1.5Volts

### SOD-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

#### SUGGESTED SOLDER PAD LAYOUT



Type	Marking	Zener Voltage Range		Dynamic Resistance			Temperature Coefficient of Zener Voltage	Reverse Leakage current	
		$I_{ZT}$ mA	for $V_{ZT}$ V	$r_{zT}$	$r_{zK}$	at $I_{ZK}$ mA	$v_Z @ I_{ZT}$ $10^{-4}/$	$I_R$ $\mu A$	$V_R$ V
2V4	W1	5	2.2~2.6	<100	275	1	-9~-4	50	1
2V7	W2	5	2.5~2.9	<100	600	1	-9~-4	20	1
3V0	W3	5	2.8~3.2	<95	600	1	-9~-3	10	1
3V3	W4	5	3.1~3.5	<95	600	1	-8~-3	5	1
3V6	W5	5	3.4~3.8	<90	600	1	-8~-3	5	1
3V9	W6	5	3.7~4.1	<90	600	1	-7~-3	3	1
4V3	W7	5	4.0~4.6	<90	600	1	-6~-1	3	1
4V7	W8	5	4.4~5.0	<80	500	1	-5~2	3	2
5V1	W9	5	4.8~5.4	<60	480	1	-3~4	2	2
5V6	WA	5	5.2~6.0	<40	400	1	-2~6	1	2
6V2	WB	5	5.8~6.6	<10	150	1	-1~7	3	4
6V8	WC	5	6.4~7.2	<15	80	1	2~7	2	4
7V5	WD	5	7.0~7.9	<15	80	1	3~7	1	5
8V2	WE	5	7.7~8.7	<15	80	1	4~7	0.7	5
9V1	WF	5	8.5~9.6	<15	100	1	5~8	0.5	6
10	WG	5	9.4~10.6	<20	150	1	5~8	0.2	7
11	WH	5	10.4~11.6	<20	150	1	5~9	0.1	8
12	WI	5	11.4~12.7	<25	150	1	6~9	0.1	8
13	WK	5	12.4~14.1	<30	170	1	7~9	0.1	8
15	WL	5	13.8~15.6	<30	200	1	7~9	0.05	$0.7V_{Znom}$
16	WM	5	15.3~17.1	<40	200	1	8~9.5	0.05	$0.7V_{Znom}$
18	WN	5	16.8~19.1	<45	225	1	8~9.5	0.05	$0.7V_{Znom}$
20	WO	5	18.8~21.2	<55	225	1	8~10	0.05	$0.7V_{Znom}$
22	WP	5	20.8~23.3	<55	250	1	8~10	0.05	$0.7V_{Znom}$
24	WR	5	22.8~25.6	<70	250	1	8~10	0.05	$0.7V_{Znom}$
27	WS	2	25.1~28.9	<80	300	0.5	8~10	0.05	$0.7V_{Znom}$
30	WT	2	28~32	<80	300	0.5	8~10	0.05	$0.7V_{Znom}$
33	WU	2	31~35	<80	325	0.5	8~10	0.05	$0.7V_{Znom}$
36	WW	2	34~38	<90	350	0.5	8~10	0.05	$0.7V_{Znom}$
39	WX	2	37~41	<130	350	0.5	10~12	0.05	$0.7V_{Znom}$

<sup>1)</sup> Measured with pulses  $T_p=20mS$

<sup>2)</sup> Tighter tolerance(+/-2%) available request: BZX384B2V4 ~ BZX384B39

<sup>3)</sup> Valid provided that electrodes are kept at ambient temperature,  $T=25$  .



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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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