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TRIPLE ISOLATED 200mW ZENERS in SOT-363

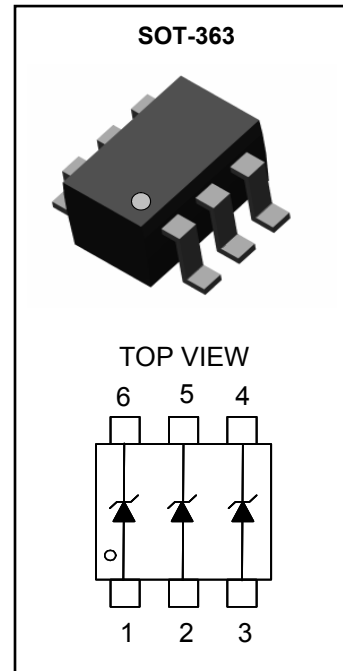
This new PANJIT family of triple, isolated Zeners comes in the very small SOT-363 package. It's very small footprint makes it ideal for applications where board space is a premium.

SPECIFICATION FEATURES

- Working Peak Reverse Voltage Range - 2.4V to 51V
- 5% Tolerance (2% Optional)
- 200mW Power Dissipation With Minimum Pad Mounting
- Low Profile (typ. 0.9 mm) SOT-363 Package

APPLICATIONS

- Camcorders, MP3 Players, Digital Cameras
- Handheld/Laptop Computers
- Portable Instrumentation Electronics



MAXIMUM RATINGS $T_J = 25^{\circ}\text{C}$

Rating	Symbol	Value	Units
Power Dissipation (Note 1)	P_D	200	mW
Operating Temperature Range	T_J	-65 to +150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-65 to +150	$^{\circ}\text{C}$

THERMAL CHARACTERISTICS

Characteristics	Symbol	Value	Units
Thermal Resistance Junction to Ambient (Note 1)	$R_{\theta JA}$	625	$^{\circ}\text{C/W}$

Note 1. FR-5 Board, minimum pad mounting (see min pad layout on page 3).



BZX84C2V4TW - BZX84C51TW

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ELECTRICAL CHARACTERISTICS $T_J = 25^\circ\text{C}$ $V_F @ 10\text{mA} = 0.9\text{V MAX FOR ALL TYPES}$

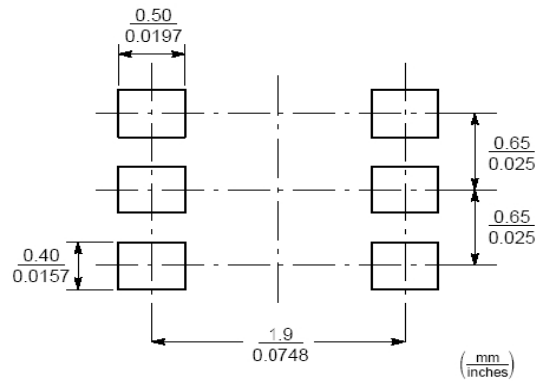
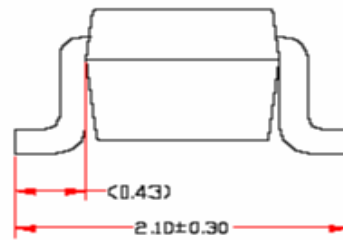
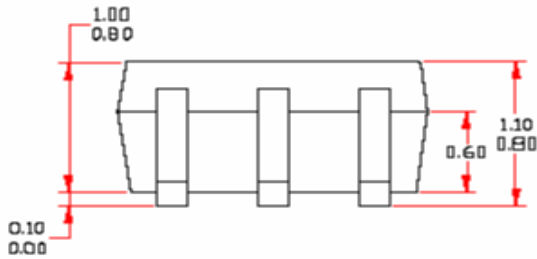
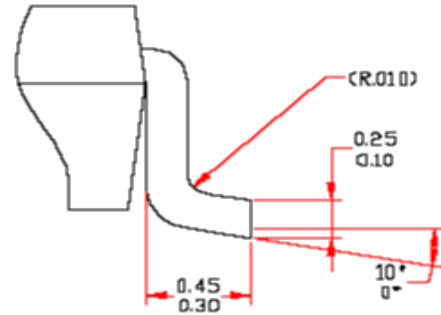
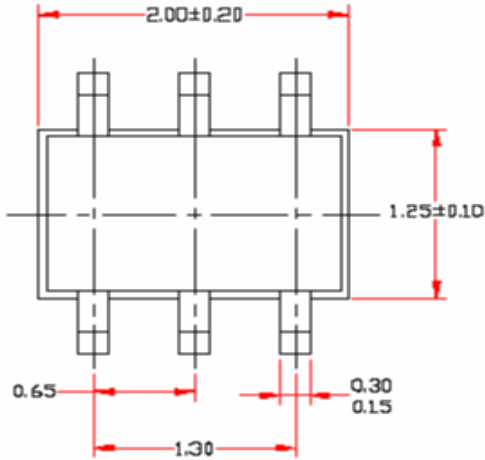
Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max. Reverse Leakage Current		Marking Code
	$V_Z @ I_{ZT}$			$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V	
BZX84C2V4TW	2.4	2.280	2.520	100	5.0	2000	1.00	50.00	1.0	W1
BZX84C2V7TW	2.7	2.565	2.835	100	5.0	2000	1.00	20.00	1.0	W2
BZX84C3V0TW	3.0	2.850	3.150	95	5.0	2000	1.00	10.00	1.0	W3
BZX84C3V3TW	3.3	3.135	3.465	95	5.0	2000	1.00	5.00	1.0	W4
BZX84C3V6TW	3.6	3.420	3.780	90	5.0	2000	1.00	5.00	1.0	W5
BZX84C3V9TW	3.9	3.705	4.095	90	5.0	2000	1.00	3.00	1.0	W6
BZX84C4V3TW	4.3	4.085	4.515	90	5.0	2000	1.00	3.00	1.0	W7
BZX84C4V7TW	4.7	4.465	4.935	80	5.0	2000	1.00	3.00	2.0	W8
BZX84C5V1TW	5.1	4.845	5.355	60	5.0	2000	1.00	2.00	2.0	W9
BZX84C5V6TW	5.6	5.320	5.880	40	5.0	2000	1.00	1.00	2.0	WA
BZX84C6V2TW	6.2	5.890	6.510	10	5.0	2000	1.00	3.00	4.0	WB
BZX84C6V8TW	6.8	6.460	7.140	15	5.0	2000	1.00	2.00	4.0	WC
BZX84C7V5TW	7.5	7.125	7.875	15	5.0	2000	1.00	1.00	5.0	WD
BZX84C8V2TW	8.2	7.790	8.610	15	5.0	2000	1.00	0.70	5.0	WE
BZX84C9V1TW	9.1	8.645	9.555	15	5.0	2000	1.00	0.50	6.0	WF
BZX84C10TW	10	9.50	10.50	20	5.0	2000	1.00	0.20	7.0	WG
BZX84C11TW	11	10.45	11.55	20	5.0	2000	1.00	0.10	8.0	WH
BZX84C12TW	12	11.40	12.60	25	5.0	2000	1.00	0.10	8.0	WI
BZX84C13TW	13	12.35	13.65	30	5.0	2000	1.00	0.10	8.0	WK
BZX84C14TW	14	13.30	14.70	30	5.0	2000	1.00	0.05	10.0	WJ
BZX84C15TW	15	14.25	15.75	30	5.0	2000	1.00	0.05	10.5	WL
BZX84C16TW	16	15.20	16.80	40	5.0	2000	1.00	0.05	11.2	WM
BZX84C17TW	17	16.15	17.85	40	5.0	2000	1.00	0.05	12.2	17C
BZX84C18TW	18	17.10	18.90	45	5.0	2000	1.00	0.05	12.6	WN
BZX84C20TW	20	19.00	21.00	55	5.0	2000	1.00	0.05	14.0	WO
BZX84C22TW	22	20.90	23.10	55	5.0	2000	1.00	0.05	15.4	WP
BZX84C24TW	24	22.80	25.20	70	5.0	2000	1.00	0.05	16.8	WR
BZX84C27TW	27	25.65	28.35	80	2.0	2000	0.50	0.05	18.9	WS
BZX84C28TW	28	26.60	29.40	80	2.0	2000	0.50	0.05	20.5	28C
BZX84C30TW	30	28.50	31.50	80	2.0	2000	0.50	0.05	21.0	WT
BZX84C33TW	33	31.35	34.65	80	2.0	2000	0.50	0.05	23.1	WU
BZX84C36TW	36	34.20	37.80	90	2.0	2000	0.50	0.05	25.2	WW
BZX84C39TW	39	37.05	40.95	130	2.0	2000	0.50	0.05	27.3	WX
BZX84C43TW	43	40.85	45.15	150	2.0	2000	0.50	0.05	30.1	WY
BZX84C47TW	47	44.65	49.35	170	2.0	2000	0.50	0.05	32.9	WZ
BZX84C51TW	51	48.45	53.55	180	2.0	2000	0.50	0.05	35.7	XA



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SOT-363 PACKAGE OUTLINE AND MINIMUM PAD LAYOUT

All dimensions in mm



ORDERING INFORMATION

BZX84CxxxTW T/R 7 - 7 inch reels, 3K units per reel

BZX84CxxxTW T/R13 - 13 inch reels, 10K units per reel

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