

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

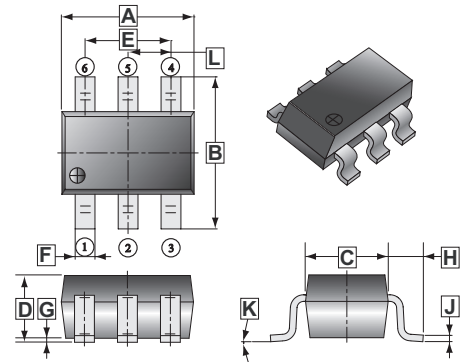
FEATURES

- 200mW Power Dissipation Rating.
- Zener Voltage form 2.4V~39V
- Planar Die Construction
- Three isolated diode elements in single Ultra-Small Mount Package

PACKAGE INFORMATION

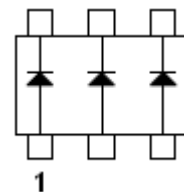
Package	MPQ	Leader Size
SOT-363	3K	7 inch

SOT-363



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100 REF.	
B	2.15	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			

Top View



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Rating	Unit
Forward Voltage I _F =10mA	V _F	0.9	V
Power Dissipation ¹	P _D	200	mW
Thermal Resistance, Junction to Ambient Air ¹	R _{θJA}	625	°C / W
Operating and Storage Temperature Range	T _J , T _{STG}	-65~150	°C

Notes:

1. Valid provided that device terminals are kept at ambient temperature.

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise specified)

Type Number	Marking	Zener Voltage Range ²				Maximum Zener Impedance ³			Maximum Reverse Current ²		Typical Temperature Coefficient		Test Current
		$V_Z@I_{ZT}$			I_{ZT}	$Z_{ZT}@I_{ZT}$	$Z_{ZK}@I_{ZK}$	I_{ZK}	I_R	V_R	$@I_{ZTC}$ (mV/°C)		I_{ZTC}
		Min(V)	Nom(V)	Max(V)	mA	Ω	Ω	mA	μA	V	Min	Max	mA
BZX84C2V4TS	KRB	2.2	2.4	2.6	5	100	600	0.5	50	1	-3.5	0	5
BZX84C2V7TS	KRC	2.5	2.7	2.9	5	100	600	1	20	1	-3.5	0	5
BZX84C3V0TS	KRD	2.8	3	3.2	5	95	600	1	10	1	-3.5	0	5
BZX84C3V3TS	KRE	3.1	3.3	3.5	5	95	600	1	5	1	-3.5	0	5
BZX84C3V6TS	KRF	3.4	3.6	3.8	5	90	600	1	5	1	-3.5	0	5
BZX84C3V9TS	KRG	3.7	3.9	4.1	5	90	600	1	3	1	-3.5	0	5
BZX84C4V3TS	KRH	4	4.3	4.6	5	90	600	1	3	1	-3.5	0	5
BZX84C4V7TS	KR1	4.4	4.7	5	5	80	500	1	3	2	-3.5	0.2	5
BZX84C5V1TS	KR2	4.8	5.1	5.4	5	60	480	1	2	2	-2.7	1.2	5
BZX84C5V6TS	KR3	5.2	5.6	6	5	40	400	1	1	2	-2	2.5	5
BZX84C6V2TS	KR4	5.8	6.2	6.6	5	10	150	1	3	4	0.4	3.7	5
BZX84C6V8TS	KR5	6.4	6.8	7.2	5	15	80	1	2	4	1.2	4.5	5
BZX84C7V5TS	KR6	7	7.5	7.9	5	15	80	1	1	5	2.5	5.3	5
BZX84C8V2TS	KR7	7.7	8.2	8.7	5	15	80	1	0.7	5	3.2	6.2	5
BZX84C9V1TS	KR8	8.5	9.1	9.6	5	15	100	1	0.5	6	3.8	7	5
BZX84C10TS	KR9	9.4	10	10.6	5	20	150	1	0.2	7	4.5	8	5
BZX84C11TS	KP1	10.4	11	11.6	5	20	150	1	0.1	8	5.4	9	5
BZX84C12TS	KP2	11.4	12	12.7	5	25	150	1	0.1	8	6	10	5
BZX84C13TS	KP3	12.4	13	14.1	5	30	170	1	0.1	8	7	11	5
BZX84C15TS	KP4	13.8	15	15.6	5	30	200	1	0.1	10.5	9.2	13	5
BZX84C16TS	KP5	15.3	16	17.1	5	40	200	1	0.1	11.2	10.4	14	5
BZX84C18TS	KP6	16.8	18	19.1	5	45	225	1	0.1	12.6	12.4	16	5
BZX84C20TS	KP7	18.8	20	21.2	5	55	225	1	0.1	14	14.4	18	5
BZX84C22TS	KP8	20.8	22	23.3	5	55	250	1	0.1	15.4	16.4	20	5
BZX84C24TS	KP9	22.8	24	25.6	5	70	250	1	0.1	16.8	18.4	22	5
BZX84C27TS	KPA	25.1	27	28.9	2	80	300	0.5	0.1	18.9	21.4	25.3	5
BZX84C30TS	KPB	28	30	32	2	80	300	0.5	0.1	21	24.4	29.4	5
BZX84C33TS	KPC	31	33	35	2	80	325	0.5	0.1	23.1	27.4	33.4	5
BZX84C36TS	KPD	34	36	38	2	90	350	0.5	0.1	25.2	30.4	37.4	5
BZX84C39TS	KPE	37	39	41	2	130	350	0.5	0.1	27.3	33.4	41.2	5

Notes:

2. Short duration pulse test used to minimize self-heating effect
3. $f=1\text{KHz}$