ZENER VOLTAGE RANGE: 2.4 --- V PEAK PULSE POWER:300mW

Low zener impedance
High Stability and High Reliability
Ideally suited for automated assembly processes
The Plastic Material Carries U/L Recognition 94V-0.

MECHANICAL DATA

Case:SOT-23 Small Outline Plastic Package
Polarity: Color band denotes cathode end
Mounting Position: Any

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

Parameters	SYMBOLS	**VALUE**	UNITS
Power Dissipation	P_D	300	mW
Forward Voltage @IF=10mA	Vf	0.9	V
Storage temperature range	T_{STG}	-65 to + 150	K/W
Thermal resistance junction to ambient air Warmewider stand Sperrschicht –umgebende Luft	R_{thA}	417	

Note: 1.Valid provided that device terminals are kept at ambient temperature.
2.Test with pulse, period=5ms, pulse width=300us.
3.f=1KHz

(T_A=25°C unless otherwise specified)

		ZenerVoltage Range (Note 2)		Maximum Zener Impedance (Note 3)			Maximum Reverse Current	
		$V_Z@I_{ZT}$	I_{ZT}	$Z_{ZT}@I_{ZT}$	$Z_{ZK}@I_{ZK}$	I_{ZK}	I_R	V_R

BZX84C5V6	Z3	5.6	5.2	6.0	5	40	400	1.0	1	2.0	-2.0	2.5
BZX84C6V2	Z4	6.2	5.8	6.6	5	10	150	1.0	3	4.0	0.4	3.7
BZX84C6V8	Z5	6.8	6.4	7.2	5	15	80	1.0	2	4.0	1.2	4.5
BZX84C7V5	Z6	7.5	7.0	7.9	5	15	80	1.0	1	5.0	2.5	5.3
BZX84C8V2	Z7	8.2	7.7	8.7	5	15	80	1.0	0.7	5.0	3.2	6.2
BZX84C9V1	Z8	9.1	8.5	9.6	5	15	100	1.0	0.5	6.0	3.8	7.0
BZX84C10	Z9	10	9.4	10.6	5	20	150	1.0	0.2	7.0	4.5	8.0
BZX84C11	Y1	11	10.4	11.6	5	20	150	1.0	0.1	8.0	5.4	9.0

BZX3

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

2. Tested with pulses, period=5ms,pulse width =300εs.

3. f = 1kH_Z.