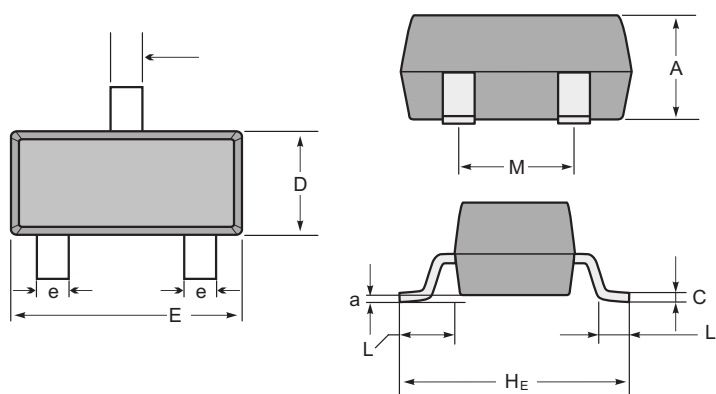
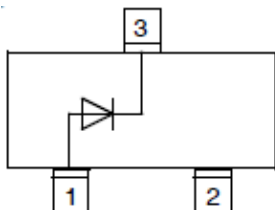


Features

- High reliability
- Very sharp reverse characteristic
- Low reverse current level

Mechanical Data

- **Package:** SOT-23
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102



SOT-23 mechanical data

UNIT		A	C	D	E	HE	e	M	L	L ₁	a
mm	max	1.1	0.15	1.4	3.0	2.6	0.5	1.95	0.55 (ref)	0.36 (ref)	0.0
	min	0.9	0.08	1.2	2.8	2.2	0.3	1.7			0.15
mil	max	43	6	55	118	102	20	77	22 (ref)	14 (ref)	0.0
	min	35	3	47	110	87	12	67			6

■ FEATURES

Characteristic	Symbol	Max	Unit
Power dissipation	P_D ($T_a=25^\circ\text{C}$)	300	mW
Forward Current	I_F	250	mA
Forward Voltage	V_F (@ $I_F=10\text{mA}$)	0.9	V
Reverse Voltage	V_Z	2.4-75	V
Junction and Storage Temperature	T_J, T_{stg}	125 $^\circ\text{C}$, -55to+125	

BZX84C2V4-C75V

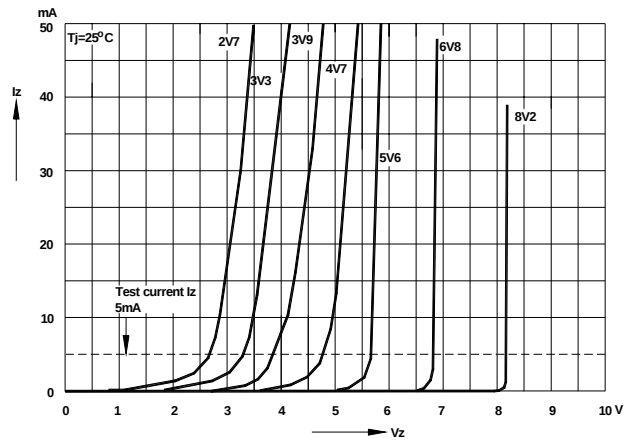
■ ELECTRICAL CHARACTERISTICS

(TA=25 unless otherwise noted 25)

Type	V _Z (V)		DIFFERENTIAL RESISTANCE r _{diff} (Ω)				TEMP. COEFF. S _Z (mV/K)			I _R (uA) @V _R (V)		Mark ing
	@I _Z =5mA		@I _Z =1mA		@I _Z =5mA		@I _Z =5mA					
	MIN.	MAX.	TYP.	MAX.	TYP.	MAX	MIN.	TYP.	MAX	I _R	@V	
BZX84C2V4	2.2	2.6	325	600	80	100	-3.5	-2.1	0	50	1	Z11
BZX84C2V7	2.5	2.9	325	600	80	100	-3.5	-2.1	0	20	1	Z12
BZX84C3V0	2.8	3.2	325	600	80	95	-3.5	-2.1	0	10	1	Z13
BZX84C3V3	3.1	3.5	350	600	85	95	-3.5	-2.4	0	5	1	Z14
BZX84C3V6	3.4	3.8	375	600	85	90	-3.5	-2.4	0	5	1	Z15
BZX84C3V9	3.7	4.1	400	600	85	90	-3.5	-2.5	0	3	1	Z16
BZX84C4V3	4.0	4.6	400	600	85	90	-3.5	-2.5	0	3	1	Z17
BZX84C4V7	4.4	5.0	410	600	80	90	-3.5	-2.5	0	3	2	Z1
BZX84C5V1	4.8	5.4	425	500	50	80	-3.5	-1.4	0.2	2	2	Z2
BZX84C5V6	5.2	6.0	400	480	40	60	-2.7	-0.8	1.2	1	2	Z3
BZX84C6V2	5.8	6.6	80	400	15	40	-2.0	1.2	2.5	3	4	Z4
BZX84C6V8	6.4	7.2	40	150	6	10	0.4	2.3	3.7	2	4	Z5
BZX84C7V5	7.0	7.9	30	80	6	15	1.2	3.0	4.5	1	5	Z6
BZX84C8V2	7.7	8.7	30	80	6	15	2.5	4.0	5.3	0.7	5	Z7
BZX84C9V1	8.5	9.6	40	80	6	15	3.2	4.6	6.2	0.5	6	Z8
BZX84C10V	9.4	10.6	40	100	6	15	3.8	5.5	7.0	0.2	7	Z9
BZX84C11V	10.4	11.6	50	150	8	20	4.5	6.4	8.0	0.1	8	Y1
BZX84C12V	11.4	12.7	50	150	10	20	5.4	7.4	9.0	0.1	8	Y2
BZX84C13V	12.4	14.1	50	150	10	25	6.0	8.4	10.0	0.1	8	Y3
BZX84C15V	13.8	15.6	50	170	10	30	7.0	9.4	11.0	0.05	10.5	Y4
BZX84C16V	15.3	17.1	50	200	10	30	9.2	11.4	13.0	0.05	11.2	Y5
BZX84C18V	16.8	19.1	50	200	10	40	10.4	12.4	14.0	0.05	12.6	Y6
BZX84C20V	18.8	21.2	50	225	10	45	12.4	14.4	16.0	0.05	14	Y7
BZX84C22V	20.8	23.3	60	225	15	55	14.4	16.4	18.0	0.05	15.4	Y8
BZX84C24V	22.8	25.6	60	250	20	55	16.4	18.4	20.0	0.05	16.8	Y9
	@I _Z =2mA		@I _Z =0.5mA		@I _Z =2mA		@I _Z =2mA					
BZX84C27V	25.1	28.9	65	300	25	80	21.4	23.4	25.3	0.05	18.9	Y10
BZX84C30V	28.0	32.0	70	300	30	80	24.4	26.6	29.4	0.05	21	Y11
BZX84C33V	31.0	35.0	75	325	35	80	27.4	29.7	33.4	0.05	23.1	Y12
BZX84C36V	34.0	38.0	80	350	35	90	30.4	33.0	37.4	0.05	25.2	Y13
BZX84C39V	37.0	41.0	80	350	40	130	33.4	36.4	41.2	0.05	27.3	Y14
BZX84C43V	40.0	46.0	85	375	45	150	37.6	41.2	46.6	0.05	30.1	Y15
BZX84C47V	44.0	50.0	85	375	50	170	42.0	46.1	51.8	0.05	32.9	Y16
BZX84C51V	48.0	54.0	95	400	60	180	46.6	51.3	57.2	0.05	35.7	Y17
BZX84C56V	52.0	60.0	110	425	75	200	52.2	58.4	63.8	0.05	39.2	Y18
BZX84C62V	58.0	66.0	130	450	90	215	58.8	63.9	71.6	0.05	43.4	Y19
BZX84C68V	40.0	46.0	160	475	110	240	65.6	72.2	79.8	0.05	47.6	Y20
BZX84C75V	70.0	79.0	200	500	150	255	73.4	81.1	88.6	0.05	52.5	Y21

RATING AND CHARACTERISTIC CURVES (BXZ84C2V4-C75V)

Breakdown characteristics
T_J = constant (pulsed)



Breakdown characteristics
T_J = constant (pulsed)

