RECTRON SEMICONDUCTOR
TECHNICAL SPECIFICATION

BZX84BxxxV

inner structure   Ouline example

Silicon epitaxial planar stabilizer diode

encapsulation mode：SOT-23

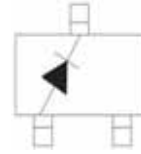**P/N suffix V means AEC-Q101 qualified, e.g:BZX84B2V4V**

P/N suffix V means Halogen-free

ESD Rating of Class 3 (> 8kV) per Human Body Model

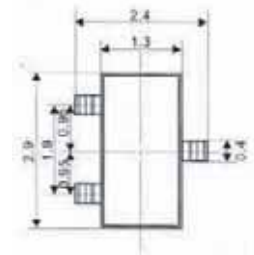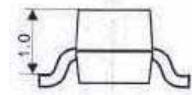## Maximum ratings(Ta=25℃ unless otherwise noted)

ITEM	Symbol	Value	Unit
POWER DISSIPATION	PD	350	mW
Junction Temperature	TJ	−55～150	℃
Storage Temperature	Tstg	−55～150	℃

Electrical Characteristics (Ta=25℃ unless otherwise noted)

TYPE:BZX84B   Series (VZ ±2.0%)

VF(@10mA) Max. 0.90V for all Types

Type	Marking code	VZ (V)				IR (μA)		ZZT (ohm)		ZZK (ohm)	
		Nom	MIN	MAX	Iz(mA)	MAX	VR(V)	MAX	Iz(mA)	MAX	Iz(mA)
BZX84B2V4	Z50	2.4	2.35	2.45	5	50	1	100	5	600	1
BZX84B2V7	Z51	2.7	2.65	2.75	5	20	1	100	5	600	1
BZX84B3V0	Z52	3	2.94	3.06	5	10	1	95	5	600	1
BZX84B3V3	Z53	3.3	3.23	3.37	5	5	1	95	5	600	1
BZX84B3V6	Z54	3.6	3.53	3.67	5	5	1	90	5	600	1
BZX84B3V9	Z55	3.9	3.82	3.98	5	3	1	90	5	600	1
BZX84B4V3	Z56	4.3	4.21	4.39	5	3	1	90	5	600	1
BZX84B4V7	Z57	4.7	4.61	4.79	5	3	2	80	5	500	1
BZX84B5V1	Z58	5.1	5	5.2	5	2	2	60	5	480	1
BZX84B5V6	Z59	5.6	5.49	5.71	5	1	2	40	5	400	1
BZX84B6V2	Z60	6.2	6.08	6.32	5	3	4	10	5	150	1
BZX84B6V8	Z61	6.8	6.66	6.94	5	2	4	15	5	80	1
BZX84B7V5	Z62	7.5	7.35	7.65	5	1	5	15	5	80	1
BZX84B8V2	Z63	8.2	8.04	8.36	5	0.7	5	15	5	80	1
BZX84B9V1	Z64	9.1	8.92	9.28	5	0.5	6	15	5	100	1
BZX84B10	Z65	10	9.8	10.2	5	0.2	7	20	5	150	1
BZX84B11	Z66	11	10.8	11.2	5	0.1	8	20	5	150	1

BZX84B12	Z67	12	11.8	12.2	5	0.1	8	25	5	150	1
BZX84B13	Z68	13	12.7	13.3	5	0.1	8	30	5	170	1
BZX84B15	Z69	15	14.7	15.3	5	0.05	10.5	30	5	200	1
BZX84B16	Z70	16	15.7	16.3	5	0.05	11.2	40	5	200	1
BZX84B18	Z71	18	17.6	18.4	5	0.05	12.6	45	5	225	1
BZX84B20	Z72	20	19.6	20.4	5	0.05	14	55	5	225	1
BZX84B22	Z73	22	21.6	22.4	5	0.05	15.4	55	5	250	1
BZX84B24	Z74	24	23.5	24.5	5	0.05	16.8	70	5	250	1
BZX84B27	Z75	27	26.5	27.5	2	0.05	18.9	80	2	300	0.5
BZX84B30	Z76	30	29.4	30.6	2	0.05	21	80	2	300	0.5
BZX84B33	Z77	33	32.3	33.7	2	0.05	23.1	80	2	325	0.5
BZX84B36	Z78	36	35.3	36.7	2	0.05	25.2	90	2	350	0.5
BZX84B39	Z79	39	38.2	39.8	2	0.05	27.3	130	2	350	0.5
BZX84B43	Z80	43	42.1	43.9	2	0.05	30.1	150	2	375	0.5
BZX84B47	Z81	47	46.1	47.9	2	0.05	32.9	170	2	375	0.5
BZX84B51	Z82	51	50	52	2	0.05	35.7	180	2	400	0.5
BZX84B56	Z83	56	54.9	57.1	2	0.05	39.2	200	2	425	0.5
BZX84B62	Z84	62	60.8	63.2	2	0.05	43.4	215	2	450	0.5
BZX84B68	Z85	68	66.6	69.4	2	0.05	47.6	240	2	475	0.5
BZX84B75	Z86	75	73.5	76.5	2	0.05	52.5	255	2	500	0.5

PACKAGING OF DIODE

REEL PACK

PACKAGE	PACKING CODE	REEL (EA)	COMPONENT SPACE(mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SOT-23/-3L	-T	3,000	---	---	178	438*438*220	180,000	---

DISCLAIMER NOTICE

RECTRON