

# ZENER DIODES

## BZX84 Series 350 mW Plastic Zener Diodes in TO-236 Package (T<sub>A</sub> = 25 °C)

Type	Marking Code	Zener Voltage Range V <sub>Z</sub> at I <sub>ZT</sub> *	Maximum Zener Impedance				Typical Temperature Coefficient at I <sub>Z</sub> = 5 mA	Maximum Reverse Leakage Current	
			Z <sub>ZT</sub>	at I <sub>ZT</sub>	Z <sub>ZK</sub>	at I <sub>ZK</sub>		-I <sub>R</sub>	at V <sub>R</sub>
			Ohms	mA	Ohms	mA		μA	Volts
BZX84C2V7	Z12	2.5-2.9	100	5	600	1	-0.065	20	1
BZX84C3	Z13	2.8-3.2	100	5	600	1	-0.060	10	1
BZX84C3V3	Z14	3.1-3.5	95	5	600	1	-0.055	5	1
BZX84C3V6	Z15	3.4-3.8	95	5	600	1	-0.055	5	1
BZX84C3V9	Z16	3.7-4.1	90	5	600	1	-0.050	3	1
BZX84C4V3	Z17	4.0-4.6	90	5	600	1	-0.035	3	1
BZX84C4V7	Z1	4.4-5.0	80	5	500	1	-0.015	3	2
BZX84C5V1	Z2	4.8-5.4	60	5	480	1	+0.005	2	2
BZX84C5V6	Z3	5.2-6.0	40	5	400	1	+0.020	1	2
BZX84C6V2	Z4	5.8-6.6	10	5	150	1	+0.030	3	4
BZX84C6V8	Z5	6.4-7.2	15	5	80	1	+0.045	2	4
BZX84C7V5	Z6	7.0-7.9	15	5	80	1	+0.050	1	5
BZX84C8V2	Z7	7.7-8.7	15	5	80	1	+0.055	0.7	5
BZX84C9V1	Z8	8.5-9.6	15	5	100	1	+0.065	0.5	6
BZX84C10	Z9	9.4-10.6	20	5	150	1	+0.065	0.2	7
BZX84C11	Y1	10.4-11.6	20	5	150	1	+0.070	0.1	8
BZX84C12	Y2	11.4-12.7	25	5	150	1	+0.075	0.1	8
BZX84C13	Y3	12.4-14.1	30	5	170	1	+0.080	0.1	8
BZX84C15	Y4	13.8-15.6	30	5	200	1	+0.080	0.05	0.7 V <sub>Z nom.</sub>
BZX84C16	Y5	15.3-17.1	40	5	200	1	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C18	Y6	16.8-19.1	45	5	225	1	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C20	Y7	18.8-21.2	55	5	225	1	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C22	Y8	20.8-23.3	55	5	250	1	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C24	Y9	22.8-25.6	70	5	250	1	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C27	Y10	25.1-28.9	80	2	300	0.5	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C30	Y11	28-32	80	2	300	0.5	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C33	Y12	31-35	80	2	325	0.5	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C36	Y13	34-38	90	2	350	0.5	+0.090	0.05	0.7 V <sub>Z nom.</sub>
BZX84C39	Y14	37-41	130	2	350	0.5	+0.110	0.05	0.7 V <sub>Z nom.</sub>
BZX84C43	Y15	40-46	150	2	375	0.5	+0.110	0.05	0.7 V <sub>Z nom.</sub>
BZX84C47	Y16	44-50	170	2	375	0.5	+0.110	0.05	0.7 V <sub>Z nom.</sub>
BZX84C51	Y17	48-54	180	2	400	0.5	+0.110	0.05	0.7 V <sub>Z nom.</sub>

Standard Voltage Tolerance is 5%.

\* Measured with pulses tp = 20 ms.