

Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC Part Number	Zener Voltage			Maximum Zener Impedance		Maximum Zener Impedance		Maximum Reverse Current I <sub>R</sub> (Max) @ V <sub>R</sub>		Marking Code
	V <sub>Z</sub> @ I <sub>ZT</sub>			Z <sub>ZT</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	
	Min.(V)	Nom(V)	Max.(V)	Ω	mA	Ω	mA	μA	V	
BZT52B3V0BS	2.94	3.0	3.06	89	5.0	564	1.00	9.0	1.0	B2Z
BZT52B3V3BS	3.23	3.3	3.37	89	5.0	564	1.00	4.5	1.0	B3Z
BZT52B3V6BS	3.53	3.6	3.67	84	5.0	564	1.00	4.5	1.0	B4Z
BZT52B3V9BS	3.82	3.9	3.98	84	5.0	564	1.00	2.7	1.0	B5Z
BZT52B4V3BS	4.21	4.3	4.39	84	5.0	564	1.00	2.7	1.0	B6Z
BZT52B4V7BS	4.61	4.7	4.79	75	5.0	564	1.00	2.7	2.0	B7Z
BZT52B5V1BS	5.00	5.1	5.20	60	5.0	480	1.00	2.0	2.0	B8Z
BZT52B5V6BS	5.49	5.6	5.71	40	5.0	400	1.00	1.0	2.0	B9Z
BZT52B6V2BS	6.08	6.2	6.32	10	5.0	150	1.00	3.0	4.0	BAZ
BZT52B6V8BS	6.66	6.8	6.94	15	5.0	141	1.00	2.0	4.0	BBZ
BZT52B7V5BS	7.35	7.5	7.65	15	5.0	80	1.00	1.0	5.0	BCZ
BZT52B8V2BS	8.04	8.2	8.36	15	5.0	80	1.00	0.7	5.0	BDZ
BZT52B9V1BS	8.92	9.1	9.28	15	5.0	100	1.00	0.5	6.0	BEZ
BZT52B10BS	9.80	10	10.20	20	5.0	150	1.00	0.2	7.0	BFZ
BZT52B11BS	10.78	11	11.22	20	5.0	150	1.00	0.1	8.0	BGZ
BZT52B12BS	11.76	12	12.24	25	5.0	150	1.00	0.1	8.0	BHZ
BZT52B13BS	12.74	13	13.26	30	5.0	170	1.00	0.1	8.0	BJZ
BZT52B15BS	14.70	15	15.30	30	5.0	200	1.00	0.1	10.5	BKZ
BZT52B16BS	15.68	16	16.32	40	5.0	200	1.00	0.1	11.2	BLZ
BZT52B18BS	17.64	18	18.36	45	5.0	225	1.00	0.1	12.6	BMZ
BZT52B20BS	19.60	20	20.40	55	5.0	225	1.00	0.1	14.0	BNZ
BZT52B22BS	21.56	22	22.44	51	5.0	235	1.00	0.045	15.4	BPZ
BZT52B24BS	23.52	24	24.48	65	5.0	235	1.00	0.045	16.8	BRZ
BZT52B27BS	26.46	27	27.54	75	5.0	282	0.50	0.045	18.9	BSZ
BZT52B30BS	29.40	30	30.60	75	5.0	282	0.50	0.045	21.0	BTZ
BZT52B33BS	32.34	33	33.66	75	5.0	306	0.50	0.045	23.0	BUZ
BZT52B36BS	35.28	36	36.72	84	5.0	329	0.50	0.045	25.2	BVZ
BZT52B39BS	38.22	39	39.78	122	5.0	329	0.50	0.045	27.3	BWZ
BZT52B43BS	42.14	43	43.86	141	5.0	353	0.50	0.045	30.1	BXZ
BZT52B47BS	46.06	47	47.94	160	5.0	353	0.50	0.045	33.0	BYZ
BZT52B51BS	49.98	51	52.02	169	2.0	376	0.50	0.045	35.7	BZZ

**Curve Characteristics**

Fig. 1 - Power Derating Curve

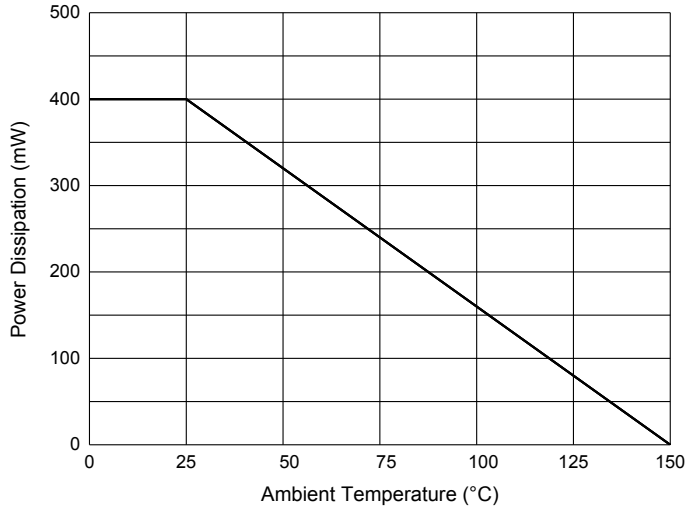


Fig. 2 - Typical Zener Breakdown Characteristics

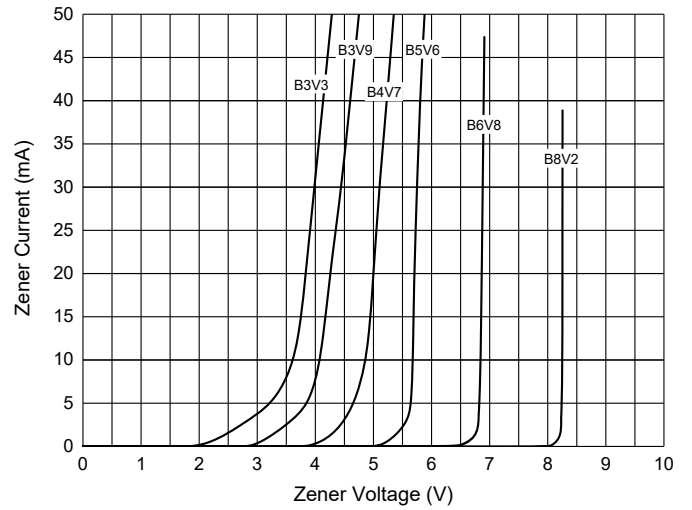
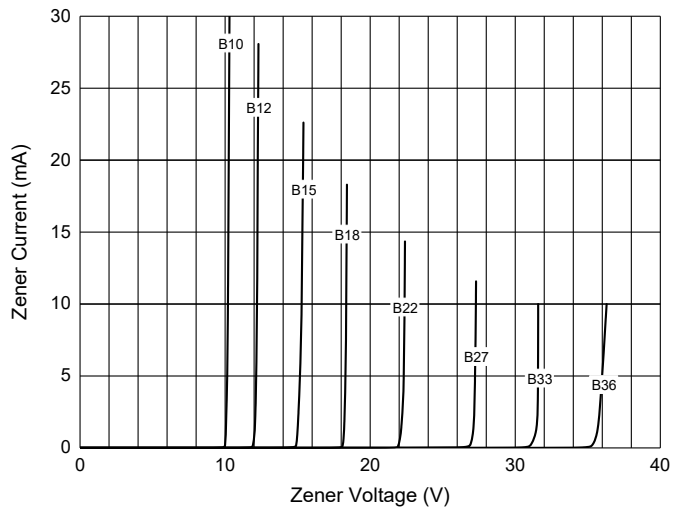


Fig. 3 - Typical Zener Breakdown Characteristics



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:3Kpcs/Reel

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