

BZX85 Series 1.3 W Zener Diodes (DO-41 Glass Package) $T_A = 25\text{ }^\circ\text{C}$

Type	Zener Voltage Range*		Maximum Zener Impedance			Typical Temperature Coefficient	Maximum Reverse Leakage Current		Surge Current (10 ms) I_{ZS}	Maximum Regulator Current I_{ZM}
	at I_{ZT}		Z_{ZT} at I_{ZT}	Z_{ZK} at I_{ZK}	I_{ZK}		I_R	at V_R		
	V_Z Volts	mA	Ohms	Ohms	mA		%/ $^\circ\text{C}$	μA		
BZX85-C3V6	3.4-3.8	60	15	500	1	-0.065	20	1	2660	290
BZX85-C3V9	3.7-4.1	60	15	500	1	-0.045	10	1	2540	280
BZX85-C4V3	4.0-4.6	50	13	500	1	-0.020	3	1	2440	250
BZX85-C4V7	4.4-5.0	45	13	600	1	+0.005	3	1	2320	215
BZX85-C5V1	4.8-5.4	45	10	500	1	+0.015	1	1.5	2200	200
BZX85-C5V6	5.2-6.0	45	7	400	1	+0.022	1	2	2080	190
BZX85-C6V2	5.8-6.6	35	4	300	1	+0.032	1	3	1960	170
BZX85-C6V8	6.4-7.2	35	3.5	300	1	+0.038	1	4	1800	155
BZX85-C7V5	7.0-7.9	35	3	200	0.5	+0.043	1	4.5	1620	140
BZX85-C8V2	7.7-8.7	25	5	200	0.5	+0.050	1	6.2	1520	130
BZX85-C9V1	8.5-9.6	25	5	200	0.5	+0.055	1	6.8	1340	120
BZX85-C10	9.4-10.6	25	7	200	0.5	+0.060	0.5	7.5	1200	105
BZX85-C11	10.4-11.6	20	8	300	0.5	+0.062	0.5	8.2	1100	97
BZX85-C12	11.4-12.7	20	9	350	0.5	+0.065	0.5	9.1	1000	88
BZX85-C13	12.4-14.1	20	10	400	0.5	+0.068	0.5	10	900	79
BZX85-C15	13.8-15.6	15	15	500	0.5	+0.072	0.5	11	760	71
BZX85-C16	15.3-17.1	15	15	500	0.5	+0.072	0.5	12	700	66
BZX85-C18	16.8-19.1	15	20	500	0.5	+0.075	0.5	13	600	62
BZX85-C20	18.8-21.2	10	24	600	0.5	+0.075	0.5	15	540	56
BZX85-C22	20.8-23.3	10	25	600	0.5	+0.078	0.5	16	500	52
BZX85-C24	22.8-25.6	10	25	600	0.5	+0.078	0.5	18	450	47
BZX85-C27	25.1-28.9	8	30	750	0.25	+0.078	0.5	20	400	41
BZX85-C30	28-32	8	30	1000	0.25	+0.078	0.5	22	380	36
BZX85-C33	31-35	8	35	1000	0.25	+0.078	0.5	24	350	33
BZX85-C36	34-38	8	40	1000	0.25	+0.078	0.5	27	320	30
BZX85-C39	37-41	6	50	1000	0.25	+0.078	0.5	30	296	28
BZX85-C43	40-46	6	50	1000	0.25	+0.078	0.5	33	270	26
BZX85-C47	44-50	4	90	1500	0.25	+0.078	0.5	36	246	23
BZX85-C51	48-54	4	115	1500	0.25	+0.078	0.5	39	226	21
BZX85-C56	52-60	4	120	2000	0.25	+0.078	0.5	43	208	19
BZX85-C62	58-66	4	125	2000	0.25	+0.078	0.5	47	186	16

Standard Voltage Tolerance is $\pm 5\%$. Other Tolerances, Non-Standard and Higher Zener Voltages Upon Request.

*Measured with pulses $t_p = 5\text{ ms}$.