

ZENER DIODES

STANDARD ZENER DIODES

Type	V_{ZT} / I_{ZT}^*		r_{ZT} / I_{ZT}^*	I_{ZT}^*	r_{ZK} / I_{ZK}		α_{VZ}	I_R / V_R $T_{amb} 25^\circ C$	V_R	I_{ZM}	Package
	min	max	max		max		typ	max			
	(V)		(Ω)	(mA)	(Ω)	(mA)	($10^{-4}/^\circ C$)	(μA)	(V)	(mA)	

500 mW / $T_{amb} = 25^\circ C$ $T_j \text{ max} = 175^\circ C$ $V_F \leq 1 V$ ($T_{amb} = 25^\circ C$, $I_F = 50 \text{ mA}$)

P BZX 83 C 2V4	2.28	2.56	90	5	600	1	-7	120	1	155	DO 35
P BZX 83 C 2V7	2.5	2.9	90	5	600	1	-7	100	1	135	
BZX 83 C 3V0	2.8	3.2	90	5	600	1	-7	60	1	125	
P BZX 83 C 3V3	3.1	3.5	90	5	600	1	-6	30	1	115	
P BZX 83 C 3V6	3.4	3.8	90	5	600	1	-6	20	1	105	
P BZX 83 C 3V9	3.7	4.1	90	5	600	1	-5	10	1	95	
P BZX 83 C 4V3	4.0	4.6	80	5	600	1	-3	5	1	90	
P BZX 83 C 4V7	4.4	5.0	80	5	600	1	-1	2	1	85	
P BZX 83 C 5V1	4.8	5.4	60	5	550	1	1	1	1	75	
P BZX 83 C 5V6	5.2	6.0	40	5	450	1	3	1	1	70	
P BZX 83 C 6V2	5.8	6.6	10	5	200	1	4	1	2	64	
P BZX 83 C 6V8	6.4	7.2	8	5	150	1	5	1	3	58	
P BZX 83 C 7V5	7.0	7.9	7	5	50	1	5	1	3.5	53	
P BZX 83 C 8V2	7.7	8.7	7	5	50	1	6	1	4	47	
P BZX 83 C 9V1	8.5	9.6	10	5	50	1	6	1	5	43	
P BZX 83 C 10	9.4	10.6	15	5	70	1	7	1	6	40	
P BZX 83 C 11	10.4	11.6	20	5	70	1	7	1	8.2	36	
P BZX 83 C 12	11.4	12.7	20	5	90	1	7	1	9.1	32	
BZX 83 C 13	12.4	14.1	25	5	110	1	7	1	10	29	
P BZX 83 C 15	13.8	15.6	30	5	110	1	8	1	11	27	
BZX 83 C 16	15.3	17.1	40	5	170	1	8	1	12	24	
P BZX 83 C 18	16.8	19.1	55	5	170	1	8	1	13	21	
P BZX 83 C 20	18.8	21.2	55	5	220	1	8	1	15	20	
P BZX 83 C 22	20.8	23.3	58	5	220	1	8	1	16	18	
P BZX 83 C 24	22.8	25.6	80	5	220	1	8	1	18	16	
P BZX 83 C 27	25.1	28.9	80	5	250	1	9	1	20	14	
P BZX 83 C 30	28	32	90	5	250	1	9	1	22	13	
P BZX 83 C 33	31	35	90	5	250	1	9	1	24	12	
BZX 83 C 36	34	38	90	5	250	1	9	1	27	11	
BZX 83 C 39	37	41	100	2.5	600	0.5	9	1	30	10	
BZX 83 C 43	40	46	100	2.5	700	0.5	9	1	33	9.2	
BZX 83 C 47	44	50	120	2.5	1000	0.5	9	1	36	8.5	
BZX 83 C 51	48	54	135	2.5	1000	0.5	9	1	39	7.8	
BZX 83 C 56	52	60	150	2.5	1500	0.5	9	1	43	7.0	
BZX 83 C 62	58	66	170	2.5	1500	0.5	9	1	47	6.4	
BZX 83 C 68	64	72	215	2.5	2000	0.5	9	1	51	5.9	
BZX 83 C 75	70	80	250	2.5	2000	0.5	9	1	56	5.3	

* Pulse test $20 \text{ ms} \leq t_p \leq 50 \text{ ms}$ $\delta < 2\%$.

The regulation voltages are defined according to the E 24 series.

P : Preferred voltages.