

SOD57

## Zener- and Suppressor Diodes (continued)

Part Number	Electrical Characteristics											Package
	V <sub>Z</sub>	r <sub>zj</sub> and		TKV <sub>Z</sub> at I <sub>Z</sub>		I <sub>R</sub> at V <sub>R</sub>		V <sub>(CLR)</sub> <sup>1)</sup> at I <sub>RSM</sub>		I <sub>R</sub> at V <sub>R</sub> <sup>2)</sup>		
	V	Ω	Ω	%/K	mA	μA	V	Clamping		Stand off		
	Min Max	Typ	Max					V	A	μA	V	
<b>Z- and Suppressor Diodes P<sub>Vmax</sub> = 3.25 W, P(BR)S = 600 W, t<sub>p</sub> = 100 μs, 5%</b>												
BZT03/C6V2	5.8 to 6.6	1	2	0 to 0.07	100	1500	4.7	< 9.3	34	< 3000	5.1	SOD57
BZT03/C6V8	6.4 to 7.2	1	2	0 to 0.07	100	1000	5.1	< 10.2	31	< 2000	5.6	SOD57
BZT03/C7V5	7.0 to 7.9	1	2	0 to 0.07	100	< 750	5.6	< 11.3	26.5	< 1500	6.2	SOD57
BZT03/C8V2	7.7 to 8.7	1	2	0.03 to 0.08	100	< 600	6.2	< 12.3	24.4	< 1200	6.8	SOD57
BZT03/C9V1	8.5 to 9.6	2	4	0.03 to 0.08	50	< 20	6.8	< 13.3	22.7	< 50	7.5	SOD57
BZT03/C10	9.4 to 10.6	2	4	0.05 to 0.09	50	< 10	7.5	< 14.8	20.3	< 20	8.2	SOD57
BZT03/C11	10.4 to 11.6	4	7	0.05 to 0.10	50	< 4	8.2	< 15.7	19.1	< 5	9.1	SOD57
BZT03/C12	11.4 to 12.7	4	7	0.05 to 0.10	50	< 3	9.1	< 17.0	17.7	< 5	10	SOD57
BZT03/C13	12.4 to 14.1	5	10	0.05 to 0.10	50	< 2	10	< 18.9	15.9	< 5	11	SOD57
BZT03/C15	13.8 to 15.6	5	10	0.05 to 0.10	50	< 1	11	< 20.9	14.4	< 5	12	SOD57
BZT03/C16	15.3 to 17.1	6	15	0.06 to 0.11	25	< 1	12	< 22.9	13.1	< 5	13	SOD57
BZT03/C18	16.8 to 19.1	6	15	0.06 to 0.11	25	< 1	13	< 25.6	11.7	< 5	15	SOD57
BZT03/C20	18.8 to 21.6	6	15	0.06 to 0.11	25	< 1	15	< 28.4	10.6	< 5	16	SOD57
BZT03/C22	20.8 to 23.3	6	15	0.06 to 0.11	25	< 1	16	< 31.0	9.7	< 5	18	SOD57
BZT03/C24	22.8 to 25.6	7	15	0.06 to 0.11	25	< 1	18	< 33.8	8.9	< 5	20	SOD57
BZT03/C27	25.1 to 28.9	7	15	0.06 to 0.11	25	< 1	20	< 38.1	7.9	< 5	22	SOD57
BZT03/C30	28 to 32	8	15	0.06 to 0.11	25	< 1	22	< 42.2	7.1	< 5	24	SOD57
BZT03/C33	31 to 35	8	15	0.06 to 0.11	25	< 1	24	< 46.2	6.5	< 5	27	SOD57
BZT03/C36	34 to 38	21	40	0.06 to 0.11	10	< 1	27	< 50.1	6.0	< 5	30	SOD57
BZT03/C39	37 to 41	21	40	0.06 to 0.11	10	< 1	30	< 54.1	5.5	< 5	33	SOD57
BZT03/C43	40 to 46	24	45	0.07 to 0.12	10	< 1	33	< 60.7	4.9	< 5	36	SOD57
BZT03/C47	44 to 50	24	45	0.07 to 0.12	10	< 1	36	< 65.5	4.6	< 5	39	SOD57
BZT03/C51	48 to 54	25	60	0.07 to 0.12	10	< 1	39	< 70.8	4.2	< 5	43	SOD57
BZT03/C56	52 to 60	25	60	0.07 to 0.12	10	< 1	43	< 78.6	3.8	< 5	47	SOD57
BZT03/C62	58 to 66	25	80	0.08 to 0.13	10	< 1	47	< 86.5	3.5	< 5	51	SOD57
BZT03/C68	64 to 72	25	80	0.08 to 0.13	10	< 1	51	< 94.4	3.2	< 5	56	SOD57
BZT03/C75	70 to 79	30	100	0.08 to 0.13	10	< 1	56	< 103.5	2.9	< 5	62	SOD57
BZT03/C82	77 to 87	30	100	0.08 to 0.13	10	< 1	62	< 114	2.6	< 5	68	SOD57
BZT03/C91	85 to 96	60	200	0.09 to 0.13	5	< 1	68	< 126	2.4	< 5	75	SOD57
BZT03/C100	94 to 106	60	200	0.09 to 0.13	5	< 1	75	< 139	2.2	< 5	82	SOD57
BZT03/C110	104 to 116	80	250	0.09 to 0.13	5	< 1	82	< 152	2.0	< 5	91	SOD57
BZT03/C120	114 to 127	80	250	0.09 to 0.13	5	< 1	91	< 167	1.8	< 5	100	SOD57
BZT03/C130	124 to 141	110	300	0.09 to 0.13	5	< 1	100	< 185	1.6	< 5	110	SOD57
BZT03/C150	138 to 156	130	300	0.09 to 0.13	5	< 1	110	< 204	1.5	< 5	120	SOD57
BZT03/C160	153 to 171	150	350	0.09 to 0.13	5	< 1	120	< 224	1.3	< 5	130	SOD57
BZT03/C180	168 to 191	180	400	0.09 to 0.13	5	< 1	130	< 249	1.2	< 5	150	SOD57
BZT03/C200	188 to 212	200	500	0.09 to 0.13	5	< 1	150	< 276	1.1	< 5	160	SOD57
BZT03/C220	208 to 233	350	750	0.09 to 0.13	2	< 1	160	< 305	1.0	< 5	180	SOD57
BZT03/C240	228 to 256	400	850	0.09 to 0.13	2	< 1	180	< 336	0.9	< 5	200	SOD57
BZT03/C270	251 to 289	450	1000	0.09 to 0.13	2	< 1	200	< 380	0.8	< 5	220	SOD57

1) 10/1000 exp. falling pulse t<sub>p</sub> = 1000 μs to 50%.

2) Stand-off voltage = recommended supply voltage.