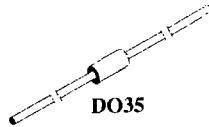




SOD80



DO35



QuadroMELF



MicroMELF

Zener Diodes

Part Number			Electrical Characteristics									
DO35	SOD80	Quadro-MELF Micro-MELF	V_{Znom}	I_{ZT} for $V_{ZT}^{1)}$ and $r_{zj}T$			r_{zjK} at I_{ZK}		I_R and I_R at V_R			TKvZ
BZX55...	TZM	BZT55... BZM55...	V	mA	V	Ω	Ω	mA	μA	$\mu A^{2)}$	V	%/K
Z-Diodes PV = 500 mW												
C2V4	C2V4	C2V4	2.4	5	2.28 to 2.56	< 85	< 600	1	< 50	< 100	1	-0.09 to -0.06
C2V7	C2V7	C2V7	2.7	5	2.5 to 2.9	< 85	< 600	1	< 10	< 50	1	-0.09 to -0.06
C3V0	C3V0	C3V0	3.0	5	2.8 to 3.2	< 90	< 600	1	< 4	< 40	1	-0.08 to -0.05
C3V3	C3V3	C3V3	3.3	5	3.1 to 3.5	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
C3V6	C3V6	C3V6	3.6	5	3.4 to 3.8	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
C3V9	C3V9	C3V9	3.9	5	3.7 to 4.1	< 90	< 600	1	< 2	< 40	1	-0.08 to -0.05
C4V3	C4V3	C4V3	4.3	5	4.0 to 4.6	< 90	< 600	1	< 1	< 20	1	-0.06 to -0.03
C4V7	C4V7	C4V7	4.7	5	4.4 to 5.0	< 80	< 600	1	< 0.5	< 10	1	-0.05 to +0.02
C5V1	C5V1	C5V1	5.1	5	4.8 to 5.4	< 60	< 550	1	< 0.1	< 2	1	-0.02 to +0.02
C5V6	C5V6	C5V6	5.6	5	5.2 to 6.0	< 40	< 450	1	< 0.1	< 2	1	-0.05 to +0.05
C6V2	C6V2	C6V2	6.2	5	5.8 to 6.6	< 10	< 200	1	< 0.1	< 2	2	0.03 to 0.06
C6V8	C6V8	C6V8	6.8	5	6.4 to 7.2	< 8	< 150	1	< 0.1	< 2	3	0.03 to 0.07
C7V5	C7V5	C7V5	7.5	5	7.0 to 7.9	< 7	< 50	1	< 0.1	< 2	5	0.03 to 0.07
C8V2	C8V2	C8V2	8.2	5	7.7 to 8.7	< 7	< 50	1	< 0.1	< 2	6.2	0.03 to 0.08
C9V1	C9V1	C9V1	9.1	5	8.5 to 9.6	< 10	< 50	1	< 0.1	< 2	6.8	0.03 to 0.09
C10	C10	C10	10	5	9.4 to 10.6	< 15	< 70	1	< 0.1	< 2	7.5	0.03 to 0.1
C11	C11	C11	11	5	10.4 to 11.6	< 20	< 70	1	< 0.1	< 2	8.2	0.03 to 0.11
C12	C12	C12	12	5	11.4 to 12.7	< 20	< 90	1	< 0.1	< 2	9.1	0.03 to 0.11
C13	C13	C13	13	5	12.4 to 14.1	< 26	< 110	1	< 0.1	< 2	10	0.03 to 0.11
C15	C15	C15	15	5	13.8 to 15.6	< 30	< 110	1	< 0.1	< 2	11	0.03 to 0.11
C16	C16	C16	16	5	15.3 to 17.1	< 40	< 170	1	< 0.1	< 2	12	0.03 to 0.11
C18	C18	C18	18	5	16.8 to 19.1	< 50	< 170	1	< 0.1	< 2	13	0.03 to 0.11
C20	C20	C20	20	5	18.8 to 21.2	< 55	< 220	1	< 0.1	< 2	15	0.03 to 0.11
C22	C22	C22	22	5	20.8 to 23.3	< 55	< 220	1	< 0.1	< 2	16	0.04 to 0.12
C24	C24	C24	24	5	22.8 to 25.6	< 80	< 220	1	< 0.1	< 2	18	0.04 to 0.12
C27	C27	C27	27	5	25.1 to 28.9	< 80	< 220	1	< 0.1	< 2	20	0.04 to 0.12
C30	C30	C30	30	5	28 to 32	< 80	< 220	1	< 0.1	< 2	22	0.04 to 0.12
C33	C33	C33	33	5	31 to 35	< 80	< 220	1	< 0.1	< 2	24	0.04 to 0.12
C36	C36	C36	36	5	34 to 38	< 80	< 220	1	< 0.1	< 2	27	0.04 to 0.12
C39	C39	C39	39	2.5	37 to 41	< 90	< 500	0.5	< 0.1	< 5	30	0.04 to 0.12
C43	C43	C43	43	2.5	40 to 46	< 90	< 600	0.5	< 0.1	< 5	33	0.04 to 0.12
C47	C47	C47	47	2.5	44 to 50	< 110	< 700	0.5	< 0.1	< 5	36	0.04 to 0.12
C51	C51	C51	51	2.5	48 to 54	< 125	< 700	0.5	< 0.1	< 10	39	0.04 to 0.12
C56	C56	C56	56	2.5	52 to 60	< 135	< 1000	0.5	< 0.1	< 10	43	0.04 to 0.12
C62	C62	C62	62	2.5	58 to 66	< 150	< 1000	0.5	< 0.1	< 10	47	0.04 to 0.12
C68	C68	C68	68	2.5	64 to 72	< 200	< 1000	0.5	< 0.1	< 10	51	0.04 to 0.12
C75	C75	C75	75	2.5	70 to 79	< 250	< 1500	0.5	< 0.1	< 10	56	0.04 to 0.12

1) $t_p \leq 100 \text{ ms}$, $\frac{t_p}{T} = 0.01$, tighter tolerance available on request

2) at $T_J = 150^\circ\text{C}$