

DO-35 Standard Zener Diodes (500 mW)

CDIL

Electrical Characteristics (At Ta=25°C, Unless Otherwise Specified)

Type No.	V _{ZT} at I _{ZT}			r _{ZT} at I _{ZT}	I _{ZT}	r _{ZK} at I _{ZK}	I _{ZK}	Temp. Coeff. of Zener Voltage typ (%/°C)	I _R at V _R Ta 25°C max (μA)	V _R	I _{ZM}	I _{ZSM}	P _D	V _F @ I _F	
	min	nom	max											(V)	(mA)
CTZ2V6		2.6		30	20	600	1	+0.085	75	1	174.8		0.5	1.5	200
CTZ2V7		2.7		30	20	600	1	+0.085	75	1	168.3		0.5	1.5	200
CTZ3V0		3		48	20	600	1	-0.066	20	1	148.5	1500	0.5	1.1	200
CTZ3V3		3.3		44	20	600	1	-0.066	10	1	135	1375	0.5	1.1	200
CTZ3V6		3.6		42	20	600	1	-0.065	5	1	126	1260	0.5	1.1	200
CTZ3V9		3.9		40	20	600	1	-0.05	5	1	115	1165	0.5	1.1	200
CTZ4V3		4.3		36	20	600	1	-0.04	0.5	1	105	1060	0.5	1.1	200
CTZ4V7		4.7		32	20	600	1	-0.02	10	2	95	965	0.5	1.1	200
CTZ5V1		5.1		28	20	550	1	-0.01	5	2	87	890	0.5	1.1	200
CTZ5V6		5.6		16	20	450	1	+0.008	10	3	80	810	0.5	1.1	200
CTZ6V2		6.2		6	20	200	1	-0.025	10	4	72	730	0.5	1.1	200
CTZ6V8		6.8		6	20	150	1	-0.035	5	5	65	665	0.5	1.1	200
CTZ7V5		7.5		8	10	50	1	+0.045	1	6	60	605	0.5	1.1	200
CTZ8V2		8.2		10	10	50	1	+0.055	0.5	7	55	555	0.5	1.1	200
CTZ9V1		9.1		12	10	50	1	+0.06	0.1	7	49	500	0.5	1.1	200
CTZ10		10		14	10	70	1	+0.08	0.1	8	45	455	0.5	1.1	200
CTZ11		11		15	10	700	0.25	+0.065	0.1	9	41	410	0.5	1.1	200
CTZ12		12		19	10	700	0.25	+0.07	0.1	10	37	380	0.5	1.1	200
CTZ13		13		23	5	700	0.25	+0.075	0.1	11	35	350	0.5	1.1	200
CTZ15		15		27	5	700	0.25	+0.08	0.1	13	30	300	0.5	1.1	200
CTZ16		16		31	5	700	0.25	+0.085	0.1	14	28	285	0.5	1.1	200
CTZ18		18		35	5	750	0.25	+0.09	0.1	16	25	250	0.5	1.1	200
CTZ20		20		39	5	750	0.25	+0.1	0.1	18	22	225	0.5	1.1	200
CTZ22		22		67	5	750	0.25	+0.12	0.1	19	20	205	0.5	1.1	200
CTZ24		24		75	5	750	0.25	+0.12	0.1	20	18.6	190	0.5	1.1	200
CTZ27		27		77	5	750	0.25	+0.12	0.1	22	16.5	170	0.5	1.1	200
CTZ30		30		93	5	1000	0.25	+0.12	0.1	24	15	150	0.5	1.1	200
CTZ33		33		96	5	1000	0.25	+0.12	0.1	26	13.5	135	0.5	1.1	200

Electrical Characteristics (At $T_a=25^\circ\text{C}$, Unless Otherwise Specified)

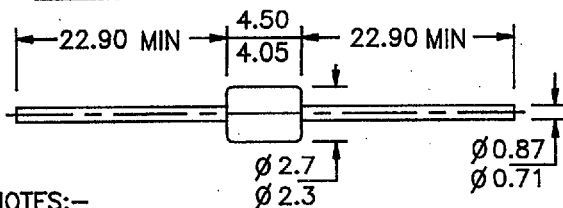
Type No.	V_{ZT} at I_{ZT}			r_{ZT} at I_{ZT}	I_{ZT}	r_{ZK} at I_{ZK}	I_{ZK}	Temp. Coeff. of Zener Voltage typ (%/°C)	I_R at V_R T_a 25°C max (μA)	V_R max (V)	I_{ZM} (mA)	I_{ZSM} (mA)	P_D (W)	V_F @ I_F	
	min	nom	max											(V)	(mA)
CTZ36		36		146	5	1000	0.25	+0.12	0.1	28	12.4	125	0.5	1.1	200
CTZ39		39		192	5	1000	0.25	+0.12	0.1	30	11.4	115	0.5	1.1	200
CTZ43		43		246	5	1500	0.25	+0.12	0.1	35	10.4	105	0.5	1.1	200
CTZ47		47		286	5	1500	0.25	+0.12	0.1	42	9.5	95	0.5	1.1	200

NOTE: No Suffix = $\pm 10\%$ Tolerance, Suffix "A" = $\pm 5\%$ Tolerance

DO-35/DO-41 Taping and Packing

CDIL

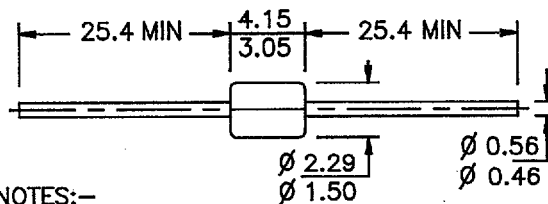
DO-41 GLASS PACKAGE



NOTES:-

1. CATHODE IS MARKED BY BAND.
2. ALL DIMENSIONS IN M.M.

DO-35 GLASS PACKAGE

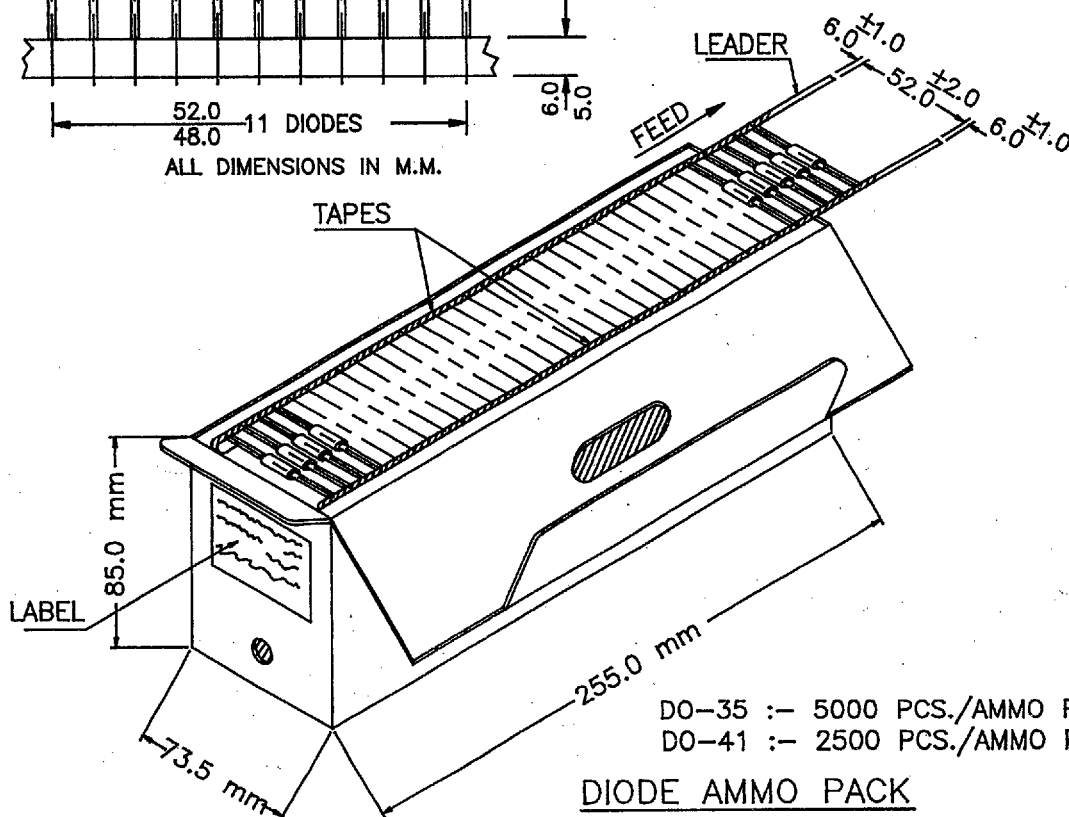
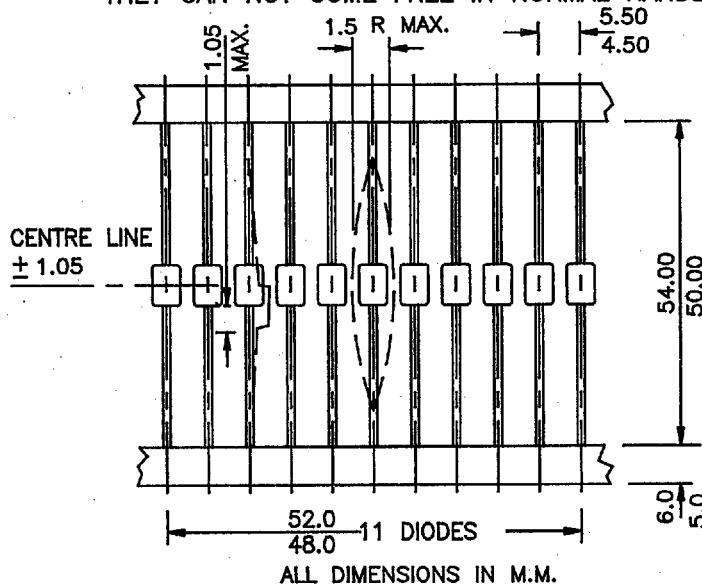


NOTES:-

1. CATHODE IS MARKED BY BAND.
2. ALL DIMENSIONS IN M.M.

DO-35/DO-41 TAPING SPECIFICATION

- 1) T & A INDICATES AXIAL TAPE & AMMO PACKING (52 mm TAPE SPACING)
- 2) 300 mm (MIN) LEADER TAPE ON EVERY SPOOL.
- 3) No. OF EMPTY PLACES ALLOWED 0.25% WITHOUT CONSECUTIVE EMPTY PLACES.
- 4) ENDS OF LEADS SHALL PREFERABLY NOT PROTRUDE BEYOND THE TAPES.
- 5) COMPONENTS SHALL BE HELD SUFFICIENTLY IN THE TAPE OR TAPES SO THAT THEY CAN NOT COME FREE IN NORMAL HANDLING.



DO-35 :- 5000 PCS./AMMO PACK
DO-41 :- 2500 PCS./AMMO PACK

DIODE AMMO PACK