



查询ZY10V供应商

Continental Device India Limited

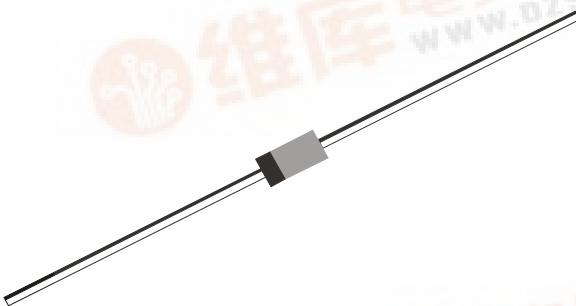
An ISO/TS 16949, ISO 9001 and ISO 14001 Certified Company

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SILICON GLASS PASSIVATED 2.0 WATT ZENER DIODES

ZY7.5V to ZY47V



DO- 41
Glass Axial Package

For use in Stabilizing and Clipping Circuits with High Power Rating

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	VALUE	UNIT
Power Dissipation @ $T_a=25^\circ\text{C}$	*P_D	2	W
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to +150	$^\circ\text{C}$

THERMAL RESISTANCE

Junction to ambient in free air	$^*R_{th(j-a)}$	60	K/W
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*Valid provided that leads are kept at ambient temperature at a distance of 10mm from case

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless specified otherwise) $V_F < 1.1\text{V} @ 1\text{A}$

Device #	**Zener Voltage @ I_{ZT} min max V_z (V)	Dynamic Resistance @ I_{ZT} $f=1\text{KHz}$ (max) r_{zj} (W)	Temp . Coeff of Zener Voltage @ I_z test $a V_z 10^{-4/K}$	Test Current @ I_z test I_{ZT} (mA)	Reverse Voltage @ $I_R = 1\text{ mA}$ V_R (V)	***Admissible Zener Current @ $T_a=45^\circ\text{C}$ I_z (mA)
ZY7.5	7.0 7.9	2	-0.....+7	100	>2.0	200
ZY8.2	7.7 8.7	2	+3.....+8	100	>3.5	180
ZY9.1	8.5 9.6	4	+3.....+8	50	>7.4	165
ZY10	9.4 10.6	4	+5.....+9	50	>8.2	145
ZY11	10.4 11.6	7	+5.....+10	50	>9.2	135
ZY12	11.4 12.7	7	+5.....+10	50	>10	120
ZY13	12.4 14.1	10	+5.....+10	50	>10.7	110
ZY15	13.8 15.8	10	+5.....+10	50	>12	98
ZY16	15.3 17.1	15	+6.....+11	25	>13.3	90
ZY18	16.8 19.1	15	+6.....+11	25	>14.7	80
ZY20	18.8 21.2	15	+6.....+11	25	>16.5	72
ZY22	20.8 23.3	15	+6.....+11	25	>18.3	66
ZY24	22.8 25.6	15	+6.....+11	25	>20.1	60
ZY27	25.1 28.9	15	+6.....+11	25	>22.5	53
ZY30	28 32	15	+6.....+11	25	>25.1	48
ZY33	31 35	15	+6.....+11	25	>27.8	4
ZY36	34 38	40	+6.....+11	10	>30.2	40
ZY39	37 41	40	+6.....+11	10	>32.9	37
ZY43	40 46	45	+7.....+12	10	>35.6	33
ZY47	44 50	45	+7.....+12	10	>39.2	30

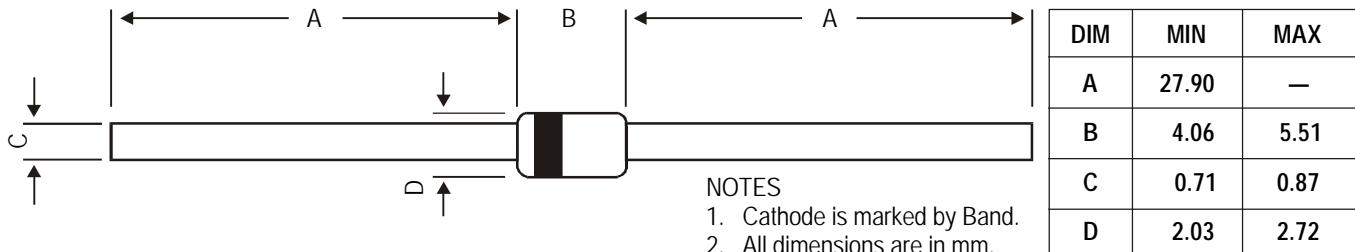
**Tested with Pulse $t_p=5\text{ms}$

*** Valid provided that leads are kept at ambient temperature at a distance of 10mm from case

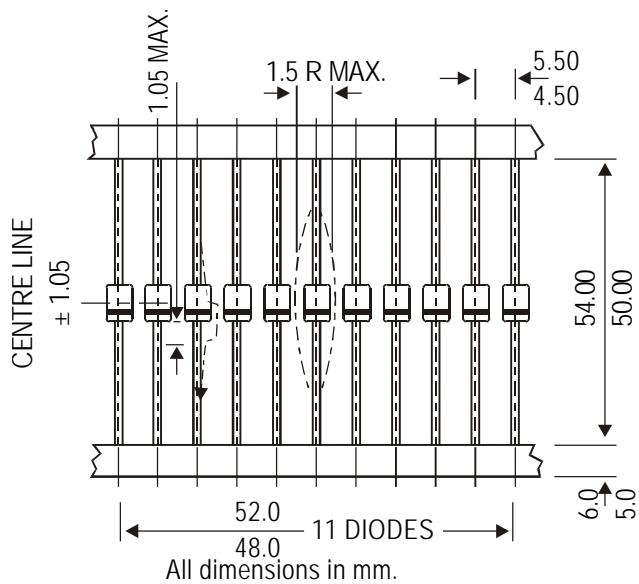
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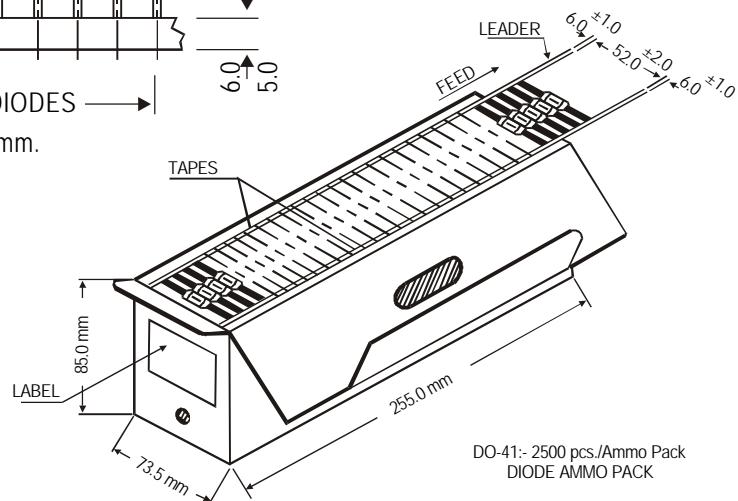


DO-41, 52mm Taping Specification



52 mm 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.



On request also available in 26 mm Tape and Ammo Pack

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
DO-41 T&A	2.5K/Ammo box	1.04 kg/2.5K pcs	10" x 3.5" x 3.5"	2.5K	12.7" x 12.7" x 20"	62.5K	30 kgs

Customer Notes

ZY7.5V to ZY47V

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Glass Axial Package**

Disclaimer

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