



Continental Device India Limited

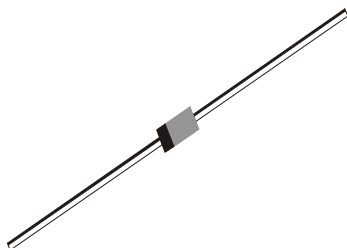
An ISO/TS 16949, ISO 9001 and ISO 14001 Certified Company



Silicon Schottky Barrier Diode

1N60P

DO-35
Glass Axial Package



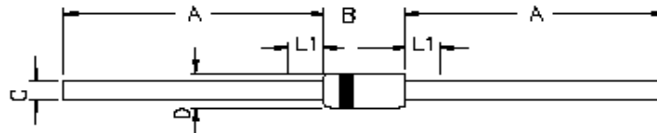
ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

PARAMETER	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	20	V
Average Rectified Output Current	I_O	50	mA
Peak Forward Current	I_{FM}	150	mA
Surge Forward Current	I_{surge}	500	mA
Junction Temperature	T_J	175	$^\circ\text{C}$
Storage Temperature Range	T_S	-55 to +175	$^\circ\text{C}$

CHARACTERISTICS AT $T_a = 25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	MAX	UNIT
Forward Current at $V_F = 1\text{V}$	I_F	4	-	mA
Reverse Current at $V_R = 10\text{V}$	I_R	-	50	μA
Junction Capacitance at $f = 1\text{ MHz}$, $V = -1\text{V}$	C	-	1	pF
Rectification Efficiency at $V_i = 2\text{Vrms}$, $R = 5\text{K}\Omega$, $C = 20\text{ pF}$, $f = 40\text{ MHz}$	η	55	-	%

DO-35 Glass Axial Package

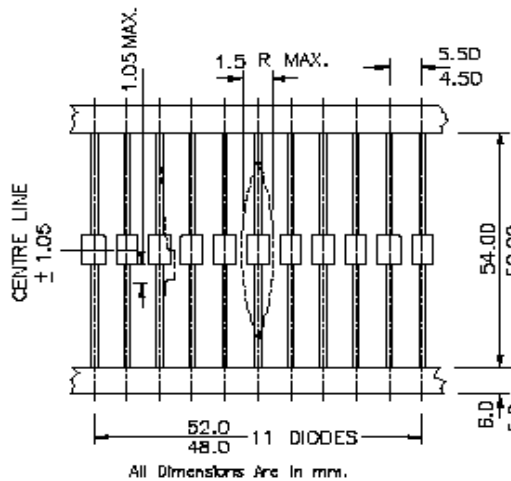


NOTES:—

Cathode is marked by Band.
All Dimensions Are in mm.

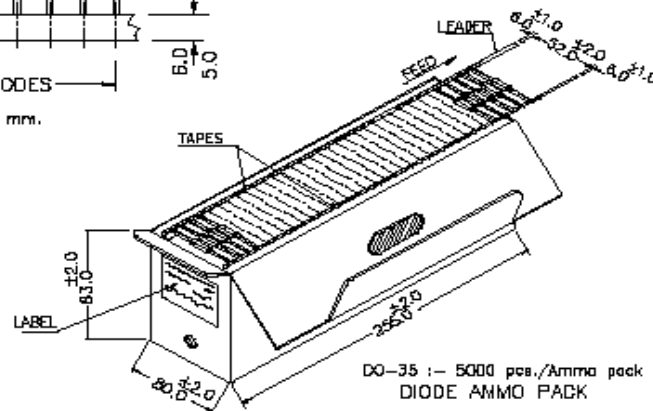
DIM	MIN	MAX
A	25.4D	38.10
B	3.05	5.08
C	0.4B	0.65
D	1.53	2.28
L1	—	1.27

DO-35, 52mm Taping Specification



52mm 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	Qty
DO-35 T&A	5K/ammo box	0.88kg/5K pcs	10"X3.5"X3.5"	5.0K	12.7"X12.7"X20"	125.0K	25Kgs



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Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Discrete Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished in the Data Sheet and on the CDIL Web Site/CD are believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Discrete Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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