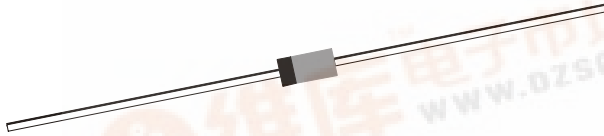


SILICON GENERAL PURPOSE DIODE AXIAL LEAD

CT282 TO CT287
40V to 325V, 0.2A

500mW

DO- 35
Glass Axial Package



FEATURES

General IPurpose , Industrial, Military And Space Application , Hermetically Sealed Glass With A Stud On Either Side Of The Glass Passivated Chip Provides Excellent Stability Extremely Low Leakave And Very High Reliability.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	CT 282	CT 283	CT 284	CT 285	CT 286	CT 287	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}	40	80	150	200	250	325	V
Reverses Voltage (Continuous)	V_R	36	70	130	180	225	300	V
Repetitive Peak Forward Current	I_{FM}			650				mA
Non Repetitive Peak Surge Current (8.3ms)	I_{FSM}			2				A
Average Rectified Current	I_O^*							
	$T_A = 25^\circ\text{C}$			200				mA
	$T_A = 150^\circ\text{C}$			50				mA
Operating And Storage Junction Temperature Range	T_j, T_{stg}			-65 to +200				°C
Power Dissipation	P_D			500				mW
Derate At 1.2mA DC/°C Between Ambient Temperatures of 25° C and 150°C								
Derate At 1.0mA DC/°C Between Ambient Temperatures of 150° C and 200°C								

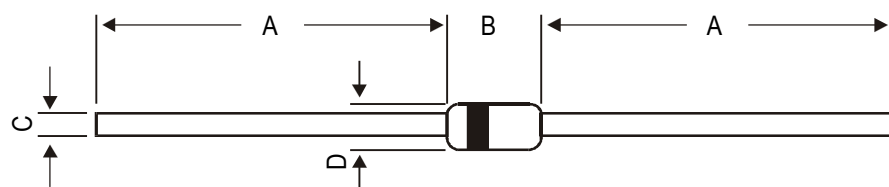
ELECTRICAL CHARACTERISTICS (Ta=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE	UNIT
Forward Voltage	V_F	$I_F = 100\text{mA DC}, P_W = 10\text{ms}$ Duty Cycle 2% Max	<1	V
Reverse Current	I_R	$V_R = V_R$ (Continuous) $V_R = V_R$ (Continuous), $T_A = 150^\circ\text{C}$	<25 <5	nA μA
Breakdown Voltage	V_{BR}	$I_R = 100\mu\text{A}$		
	CT282		>40	V
	CT283		>80	V
	CT284		>150	V
	CT285		>200	V
	CT286		>250	V
	CT287		>325	V

DESCRIPTION	SYMBOL	TEST CONDITION	VALUE	UNIT
Diode Capacitance	C_d	$V_R = 10\text{V}$		
	ALL	typ	2	pF

*Pulse Width ≤ 300μs, Duty Cycle ≤ 2%

DO-35 Glass Axial Package

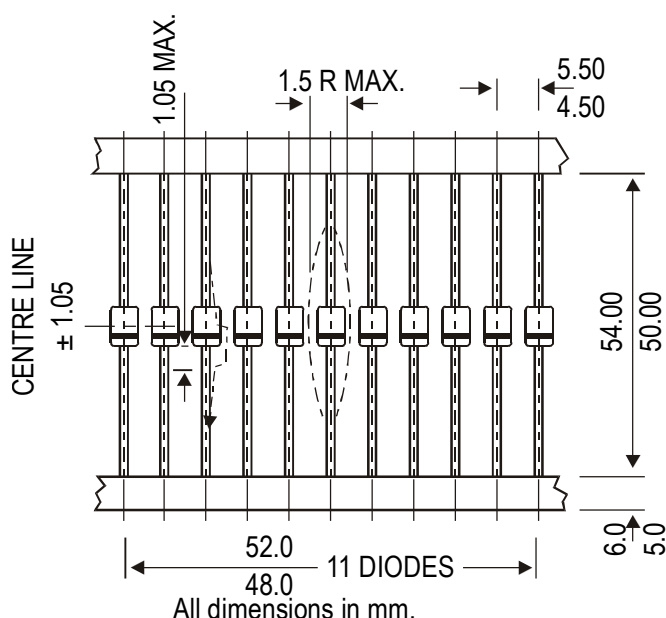


NOTES

1. Cathode is marked by Band.
2. All dimensions are in mm.

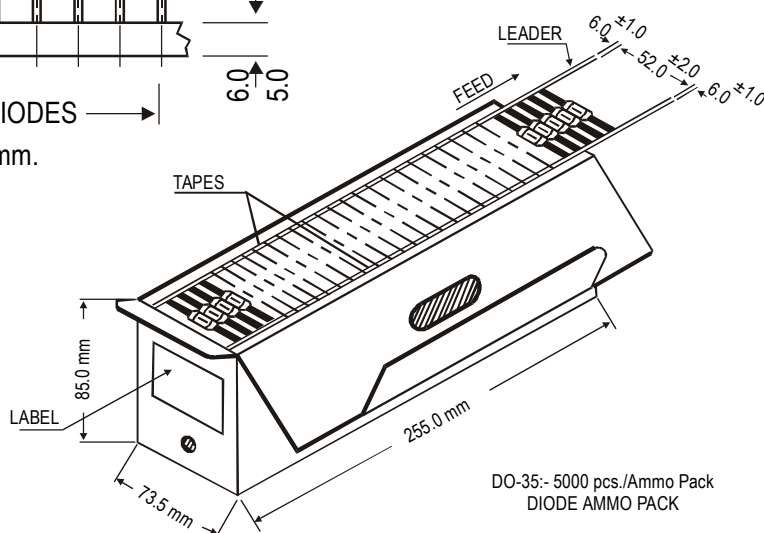
DIM	MIN	MAX
A	25.40	—
B	3.03	4.44
C	0.46	0.56
D	1.52	2.29

DO-35, 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.



DO-35:- 5000 pcs./Ammo Pack
DIODE AMMO PACK

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-35 T&A	5K/ammo box	0.88 kg/5K pcs	10" x 3.5" x 3.5"	5K	12.7" x 12.7" x 20"	125K	25 kgs

Disclaimer

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Continental Device India Limited

C-120 Naraina Industrial Area, New Delhi 110 028, India.

Telephone + 91-11-579 6150 Fax + 91-11-579 9569, 579 5290

e-mail sales@cdil.com www.cdil.com