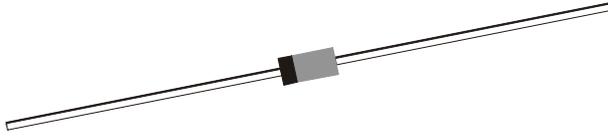


SILICON GENERAL PURPOSE DIODE AXIAL LEAD

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	CT	CT	CT	CT	CT	UNIT
		282	283	284	285	286	287	
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^*							
		$T_A = 25^\circ C$			200			mA
		$T_A = 150^\circ C$			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	$I_F=100mA$ DC, $P_W=10ms$ Duty Cycle 2% Max	<1	V	
Reverse Current	I_R	$V_R=V_R$ (Continuous)	<25	nA	
		$V_R=V_R$ (Continuous), $T_A =150^\circ C$	<5	µA	
Breakdown Voltage	V_{BR}	$I_R=100\mu A$			
			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	$V_R=10V$		
	ALL	typ	2	pF

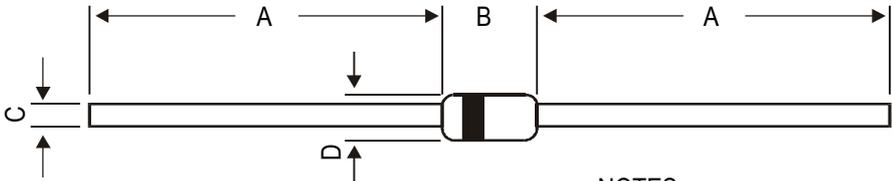
* Pulse Width $\leq 300\mu s$, Duty Cycle $\leq 2\%$

**CT282 TO CT287
40V to 325V, 0.2A**

500mW

**DO- 35
Glass Axial Package**

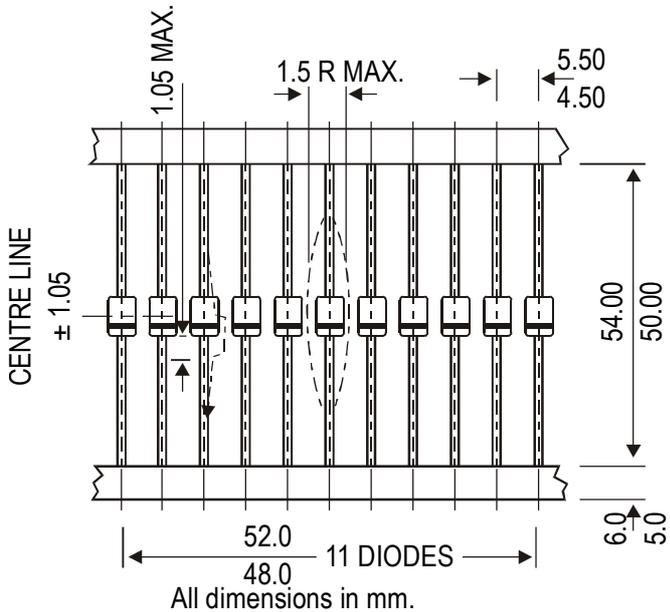
DO-35 Glass Axial Package



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

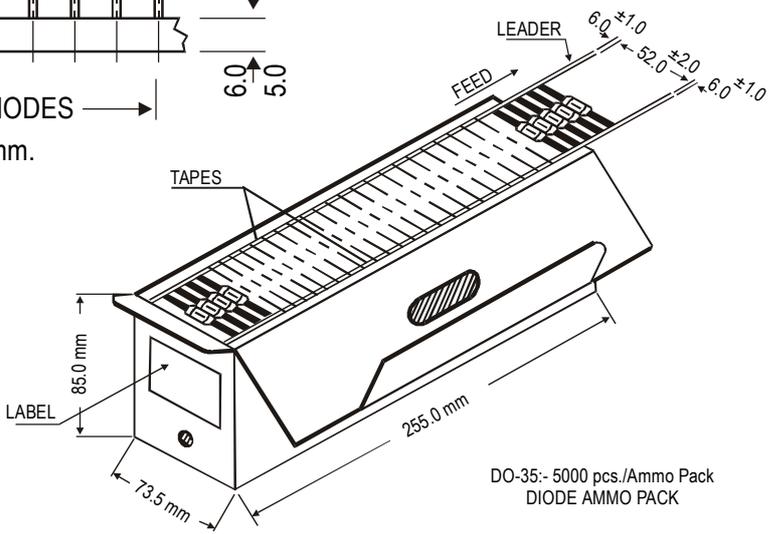
- NOTES
 1. Cathode is marked by Band.
 2. All dimensions are in mm.

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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