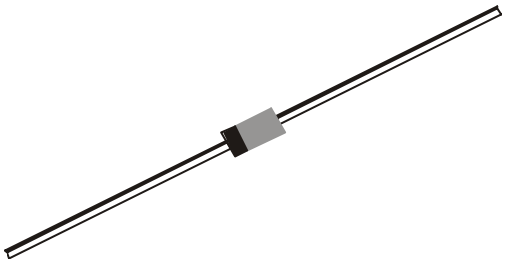
SILIICON EPITAXIAL PLANAR DIODES

CT21 TO CT186



500mW

DO-35

Glass Axial Package

Polarity : Cathode is indicated by a Band

FEATURES

High Voltage Switching Diodes

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

DESCRIPTION	SYMBOL	VALUE	UNIT
Total Power Dissipation	P_{TOT}	500	mW
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-65 to +200	°C
Peak Surge Current	I_{FSM}	1	A
Typical Capacitance	C_J	2	pF

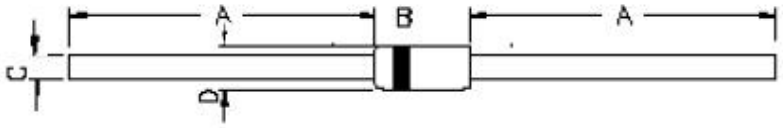
ELECTRICAL CHARACTERISTICS (T_a=25°C unless specified otherwise)

Device	Peak Inverse Voltage (P_{IV}) in V	Minimum Forward Current (I_F) @ 1V in mA	Maximum Reverse Current (I_R) @ V_R in mA	Reverse Voltage (V_R) in V	Average Rectified Current (I_O) in mA	Peak Forward Current (I_{FM}) in mA
CT 21	20	50	1	15	100	400
CT 22	50	50	1	40	100	400
CT 23	100	50	1	90	100	400
CT 24	150	50	1	130	100	400
CT 26	20	100	1	15	200	450
CT 27	50	100	1	40	200	450
CT 28	100	100	1	90	200	450
CT 29	150	100	1	130	200	450
CT 31	20	50	0.1	15	100	400
CT 32	50	50	0.1	40	100	400
CT 33	100	50	0.1	90	100	400
CT 34	150	50	0.1	130	100	400
CT 36	20	100	0.1	15	200	450
CT 37	50	100	0.1	40	200	450
CT 38	100	100	0.1	90	200	450
CT 39	150	100	0.1	130	200	450

Device	Peak Inverse Voltage (P_{IV}) in V	Peak Forward Current (IF)		Maximum Reverse Current (I_R) @ V_R in mA	Reverse Voltage (V_R) in V	Average Rectified Current (I_O) in mA	Peak Forward Current (I_{FM}) in mA
		I_F @ 1V in mA	I_F @ 1.1V in mA				
CT 161	30	15	-	0.25	25	60	180
CT 162	70	5	-	0.25	60	50	150
CT 163	150	1	-	0.25	125	30	125
CT 164	200	3	-	0.25	175	40	100
CT 182	40	-	100	0.25	30	100	400
CT 183	80	-	100	0.25	60	100	400
CT 184	150	-	100	0.25	125	100	400
CT 185	200	-	100	0.25	175	100	400
CT 186	250	-	100	0.25	225	100	400

DO-35 PACKAGE OUTLINE AND DIMENSIONS

DO-35 Glass Axial Package



Cathode is marked by a Band

Dim	Min (mm)	Max (mm)
A	27.5	-
B	-	3.9
C	-	0.5
D	-	1.9

CUSTOMER NOTES

Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.

2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's 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 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).
CDIL strives for continuous improvement and reserves the right to change the specifications of its products without prior notice.

CDIL is a registered Trademark of
Continental Device India Limited
C-120 Naraina Industrial Area, New Delhi 110 028, India.
Telephone + 91-11-2579 6150, 4141 1112 Fax + 91-11-2579 5290, 4141 1119
e-mail @cdil.com www.cdil.com
CIN No. U32109DL1964PLC0044291