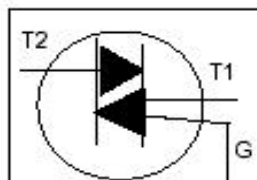
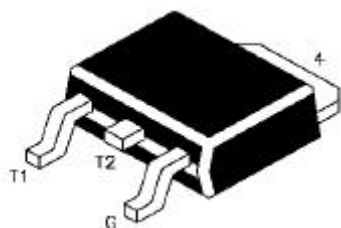


TRIAC

CJD137D

DPAK (TO-252) Plastic Package



For use Motor, Light Dimmer, Air Con, Electric Switch Applications

ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Off State Voltage	$*V_{DRM}$	400	V
RMS on State Current	$I_T (RMS)$	8.0	A
Non Repetitive Peak on State Current	I_{TSM}	55	A
Operating Junction Temperature	T_j	110	°C
Storage Temperature	T_{stg}	- 40 to +125	°C
Average Gate Power	$P_{G (AV)}$	0.5	W
Peak Gate Power	P_{GM}	5.0	W

ELECTRICAL CHARACTERISTICS ($T_j=25^{\circ}C$ unless specified otherwise)

PARAMETER	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Off State Leakage Current	I_{DRM}	$V_D=400V$		100	μA
On State Voltage	V_{TM}	$I_T=5A, I_G=35mA$		1.65	V
Holding Current	I_H	$V_D=12V, I_G=35mA$		20	mA
Gate Trigger Current	I_{GT}	$V_D=12V, R_L=100\Omega$ T2+ G+ T2+ G- T2- G- 400E 400F	15	35 35 35 15 35	mA mA mA mA mA
Gate Trigger Voltage	V_{GT}	$V_D=12V, R_L=100\Omega$ T2+ G+ T2+ G- T2- G-		1.5 1.5 1.5	V V V

MARKING

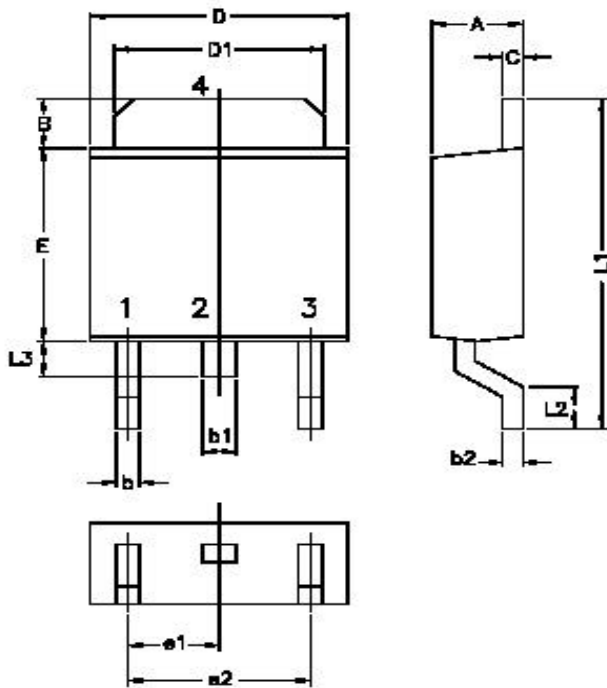
XY= Date Code

CJD137DRev120606E

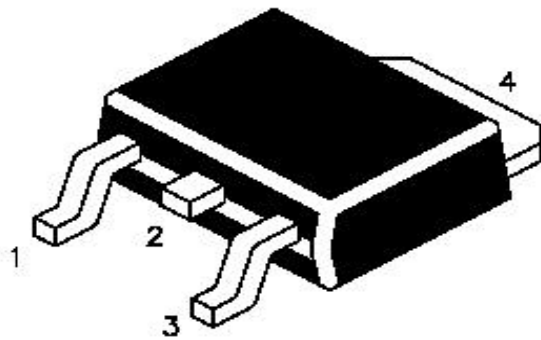
CDIL
CJD137D
XY MX

CDIL
CJD137DE
XY MX

CDIL
CJD137DF
XY MX



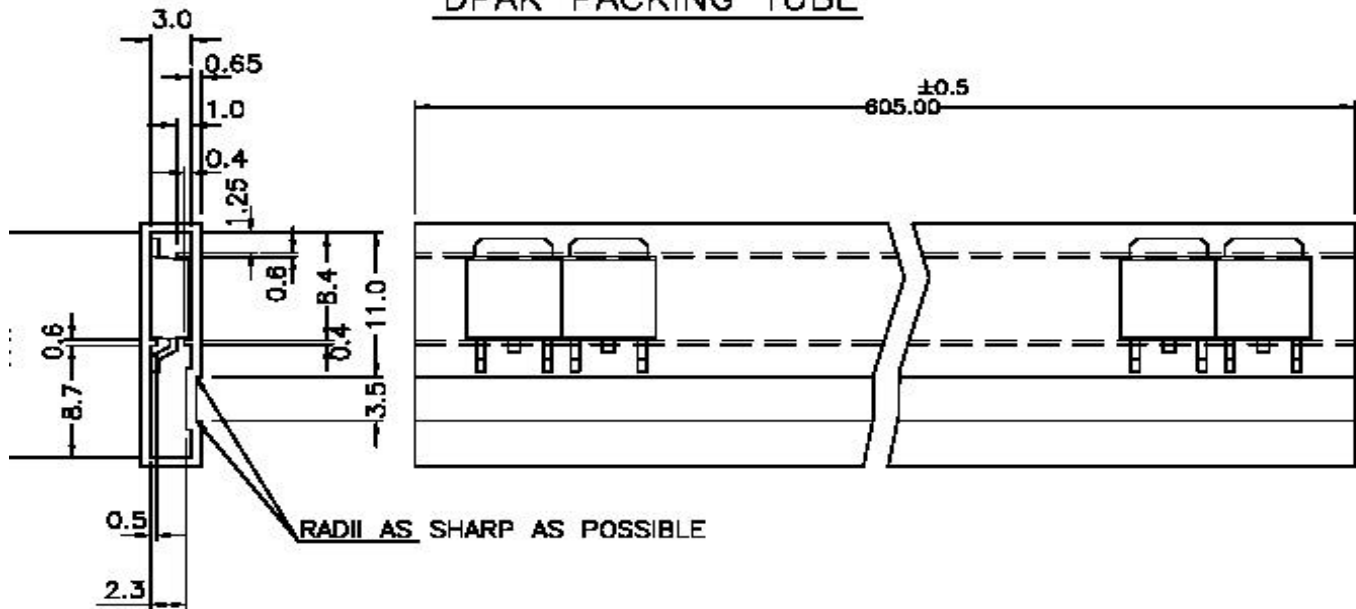
DIM	MIN.	MAX.
A	2.20	2.40
B	1.30	1.50
b	0.55	0.65
b1	0.75	0.85
b2	0.46	0.58
C	0.46	0.58
D	6.40	6.60
D1	5.20	5.40
E	5.40	5.60
e1	2.25	2.35
e2	4.50	4.70
L1	9.25	9.75
L2	0.5	—
L3	0.90	1.10



PIN CONFIGURATION

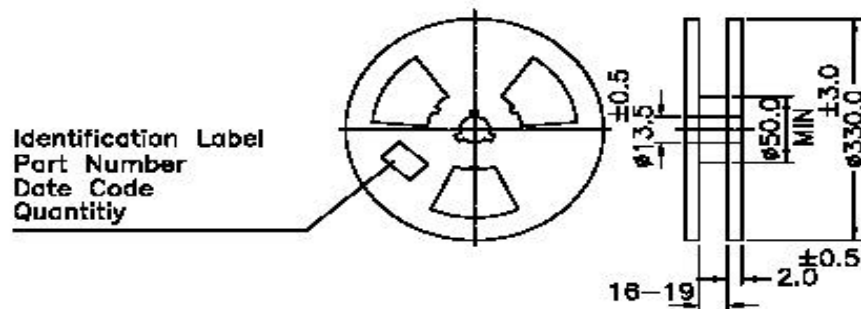
1. T1 MAIN TERMINAL 1
2. T2 MAIN TERMINAL 2
3. G GATE
4. FIN (T2)

DPAK PACKING TUBE



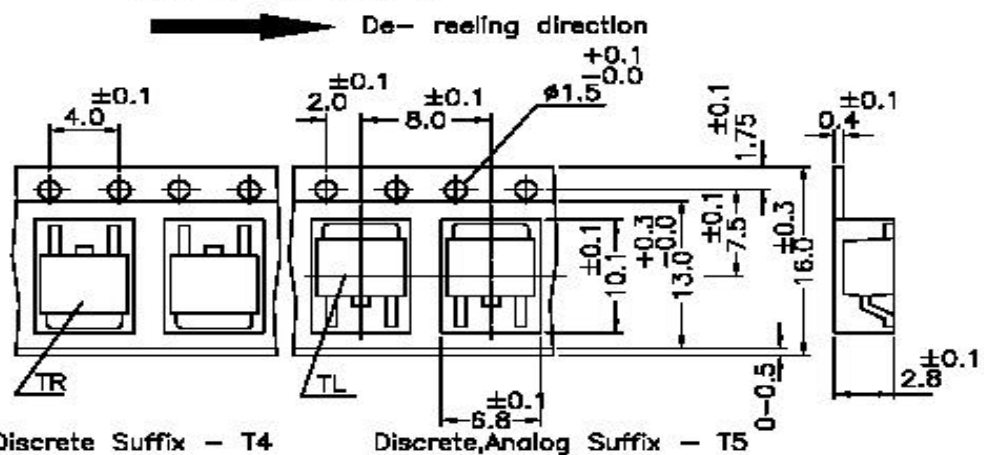
NOTE:-
80 Pcs/TUBE
ALL DIMENSIONS ARE IN mm

DPAK TAPE & REEL SPECIFICATION



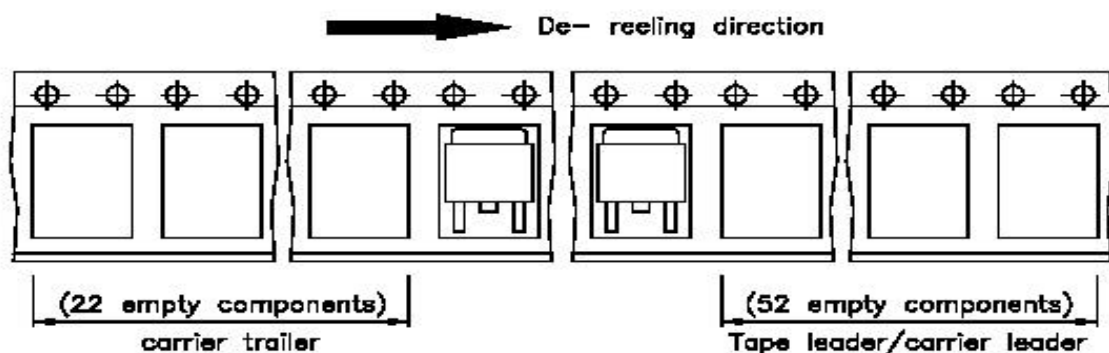
ALL DIMENSIONS ARE IN mm
REEL ϕ 330 mm (13")
No of Device 2500

TAPE & REEL



Notes:-

A maximum of three consecutive components may be missing. Provided this gap is followed by six consecutive components.



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).

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