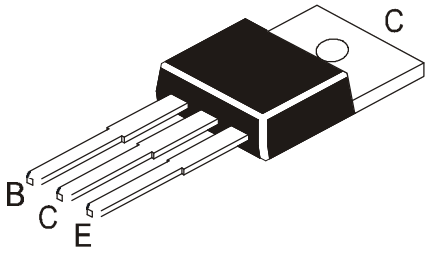
NPN SILICON POWER TRANSISTOR

CSD880
TO-220



Audio Frequency Power Amplifier Applications.
Complementary CSB834

ABSOLUTE MAXIMUM RATINGS(Ta=25deg C)

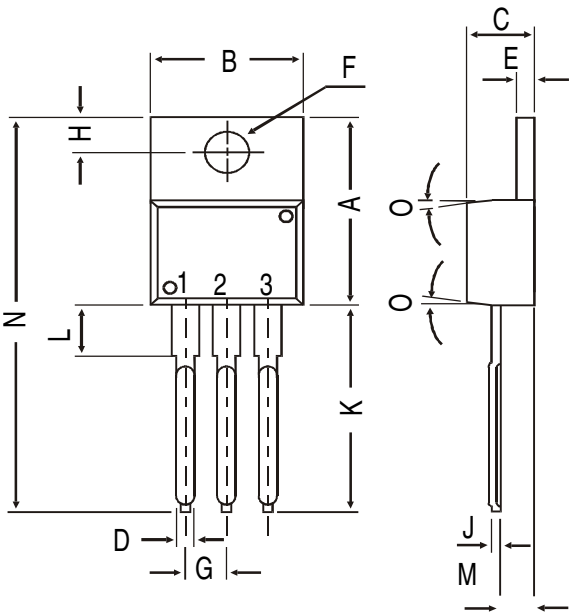
DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Base Voltage	VCBO	60	V
Collector -Emitter Voltage	VCEO	60	V
Emitter- Base Voltage	VEBO	7.0	V
Collector Current	IC	3.0	A
Base Current	IB	0.5	A
Power Dissipation @ Ta=25 deg C	PC	1.5	W
Power Dissipation @ Tc=25 deg C		30	W
Junction Temperature	Tj	150	deg C
Storage Temperature Range	Tstg	-55 to +150	deg C

ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless otherwise Specified)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector Cut off Current	ICBO	VCB=60V, IE=0	-	-	100	uA
Emitter Cut off Current	IEBO	VEB=7V, IC=0	-	-	100	uA
Collector Emitter Voltage	VCEO	IC=50mA, IB=0	60	-	-	V
DC Current Gain	hFE	IC=0.5A, VCE=5V	60	-	300	
Collector Emitter Saturation Voltage	VCE(Sat)	IC=3A, IB=0.3A	-	-	1.0	V
Base Emitter on Voltage	VBE(on)	IC=0.5A, VCE=5V	-	-	1.0	V
Dynamic Characteristics						
Transition Frequency	ft	VCE=5V,IC=0.5A,	-	3.0	-	MHz
Collector Output Capacitance	Cob	VCB=10V, IE=0 f=1MHz	-	70	-	pF
Switching Time						
Turn-0n Time	ton	VCC=30V,	-	0.8	-	us
Storage Time	tstg	IB1=IB2=0.2A,	-	1.5	-	us
Fall Time	tf	Pulse Width=20us Duty Cycle=1%	-	0.8	-	us

hFE CLASSIFICATION:- **O : 60 -120, Y : 100 -200, GR : 150-300**

TO-220 Plastic Package

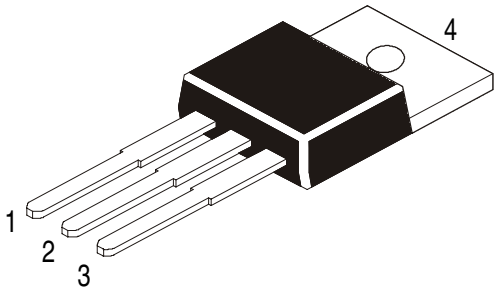


DIM	MIN.	MAX.
A	14.42	16.51
B	9.63	10.67
C	3.56	4.83
D	—	0.90
E	1.15	1.40
F	3.75	3.88
G	2.29	2.79
H	2.54	3.43
J	—	0.56
K	12.70	14.73
L	2.80	4.07
M	2.03	2.92
N	—	31.24
O	DEG 7	

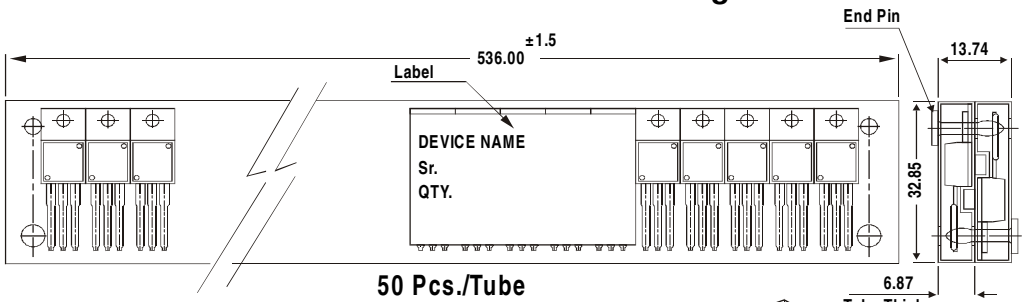
All diminsions in mm.

PIN CONFIGURATION

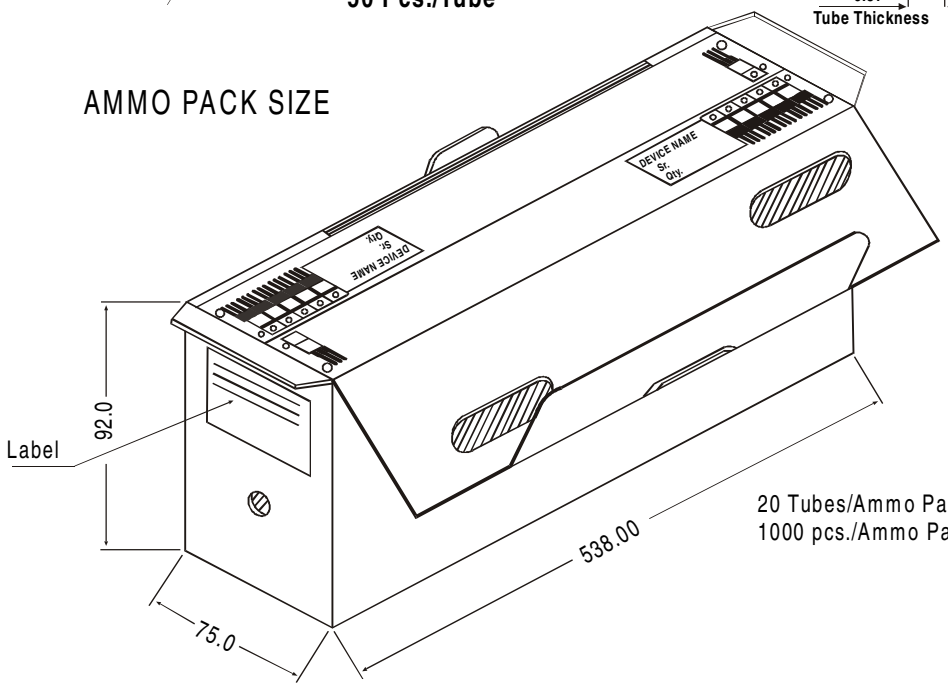
1. BASE
2. COLLECTOR
3. EMITTER
4. COLLECTOR



TO-220 Tube Packing



AMMO PACK SIZE



20 Tubes/Ammo Pack
1000 pcs./Ammo Pack

Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-220 / FP	200 pcs/polybag 50 pcs/tube	396 gm/200 pcs 120 gm/50 pcs	3" x 7.5" x 7.5" 3.5" x 3.7" x 21.5"	1.0K 1.0K	17" x 15" x 13.5" 19" x 19" x 19"	16.0K 10.0K	36 kgs 29 kgs

Customer Notes

Disclaimer

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Continental Device India Limited
C-120 Naraina Industrial Area, New Delhi 110 028, India.
Telephone + 91-11-2579 6150, 5141 1112 Fax + 91-11-2579 5290, 5141 1119
email@cdil.com www.cdilsemi.com