

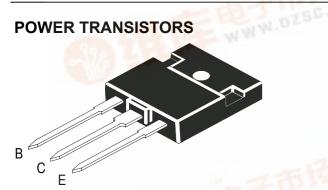


Continental Device India Limited

An IS/ISO 9002 and IECQ Certified Manufacturer



POWER TRANSISTORS



CSA1301F PNP CSC3280F NPN

TO- 3P Fully Isolated Plastic Package

Power Amplifier Applications.

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

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Base Voltage	V _{CBO}	160	COMV
Collector -Emitter Voltage	V _{CEO}	160	V
Emitter Base Voltage	V _{EBO}	5.0	V
Collector Current	Ic	12	Α
Base Current	I _B	1.2	А
Total Power Dissipation up to Tc=25 °C	P _{tot}	90	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	- 55 to +150	°C

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

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector Cut off Current	I _{CBO}	V _{CB} =160V, I _E =0			5.0	μΑ
Emitter Cut off Current	I _{EBO}	$V_{EB} = 5V$, $I_C = 0$			5.0	μΑ
Collector -Emitter Voltage	V_{CEO}	I_C =50mA, I_B =0	160			V
Collector -Emitter Saturation Voltage	V _{CE(sat)}	$I_{\rm C}$ =0.8A, $I_{\rm B}$ =0.8A				
A SE SE WAY		CSA1301F			2.8	V
		CSC3280F			2.0	csA
Base Emitter on Voltage	V _{BE (on)}	I_C =6A, V_{CE} =5V	444		1.5	V
DC Current Gain	h _{FE}	I _C =1A, V _{CE} =5V *	55	3-5	200	CO.
		I _C =6A, V _{CE} =5V	28	CM W.	3	
Collector Output Capacitance	C _{ob}	I _E =0, V _{CB} =10V ,f=1MHz				
	-12.10	CSA1301F		480		pF
10 - F	77720	CSC3280F		220		
Transition Frequency	2.5 f _T	I _C =1A, V _{CE} =5V		30		MHz

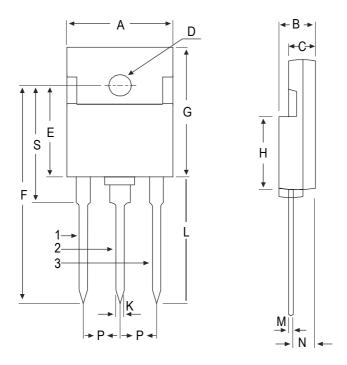
	* h _{FE} Classification	R: 55 - 110;	O: 80 - 200	
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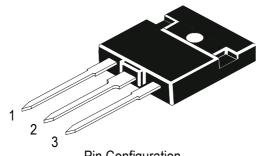
TO- 3P Fully Isolated Plastic Package

TO-3P (TO-218) Plastic Package



DIM	MIN	MAX		
Α	15.80	16.40		
В	5.20	5.70		
С	3.80	4.20		
D	Ø 3.30	Ø 3.60		
Е	14.50	15.10		
F	33.25	36.75		
G	20.75	21.25		
Н	11.50	12.25		
K	1.00	1.30		
L	18.75	21.65		
М	0.40	0.60		
N	3.15	3.45		
Р	5.21	5.72		
S	18.75	19.25		

All diminsions in mm.



Pin Configuration

- 1. Base
- 2. Collector
- 3. Emitter

Packing Detail

П	PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
L		Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
	T0-3P	100 pcs/polybag	628 gm/100 pcs	3" x 7.5" x 7.5"	0.3K	17" x 15" x 13.5"	4.8K	42 kgs

Notes

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Disclaimer

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