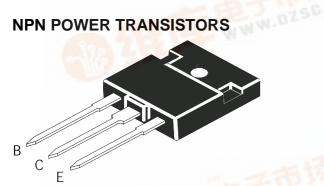
查询BU508F供应商



Continental Device India Limited

An IS/ISO 9002 and IECQ Certified Manufacturer





BU508F, BU508AF, **BU508DF**

TO- 3P Fully Isolated Plastic Package

Fast Switching, High Voltage Devices for use in Horizontal Deflection Circuits of Colour TV

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL	VALUE	UNIT
Collector -Emitter Voltage V _{CES}		1500	V
Collector -Emitter Voltage	V_{CEO}	700	V
Emitter Base Voltage	V_{EBO}	5 WW	V
Collector Current	Ic	8	А
Collector Peak Current	I _{CM}	15	
Total Power Dissipation upto T _a =25° C	P _{tot}	34	W
T _c =25° C	075	60	
Storage Temperature Range	T _{stg}	- 65 to +150	°C
Max Operating Junction Temperature	Tj	150	°C

THERMAL RESISTANCE

Thermal Resistance Junction - Case	R _{th (j-c)}	2.08	°C/W
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ELECTRICAL CHARACTERISTICS (T_C=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	YMBOL TEST CONDITIONS		TYP	MAX	UNIT
Collector Cut off Current	I _{CES}	$V_{CE}=V_{CES}, V_{BE}=0$			1.0	mA
Collector Emitter Sustaining Voltage	V _{CEO (sus)} *	$I_B = 0, I_C = 100 \text{mA}$	700			V
Emitter Base Voltage	V_{EBO}	$I_E=10$ mA, $I_C=0$	5.0		-	V
1111		BU508F, AF			4751	(3)
Emitter Cut-off Current	I _{EBO}	$V_{EB}=5V$, $I_{C}=0$	- 33	411	300	mA
		BU508DF		O. W. M		
DC Current Gain	h _{FE}	$I_C=4.5A$, $V_{CE}=5V$	2.25			
Diode forward Voltage	V _F	I _F =4.0A			2.0	V
211	15 12 Y	BU508DF				
Collector Emitter Saturation Voltage	V _{CE(sat)} *	I _C =4.5A, I _B =2.0A			1.0	V
THE WWY	1.0	BU508AF, DF				
ASS ZHE	Γ	I _C =4.5A, I _B =2.0A			5.0	V
		BU508F				
Base Emitter Saturation Voltage	V _{BE(sat)} *	I _C =4.5A, I _B =2.0A			1.5	V

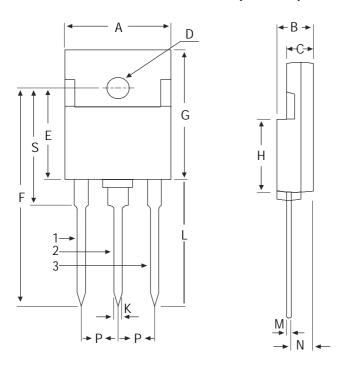
SWITCHING TIME

X					
1	Storage Time F	ts	I _C =4.5A,h _{FE} =2.5,V _{CC} =140V	7.0	μs
1	Fall Time E	t _f	$L_C=0.9$ mH, $L_B=3$ μ H	0.5	μs

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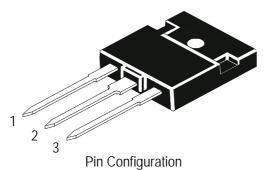
TO- 3P Fully Isolated Plastic Package

TO-3P (TO-218) Plastic Package



DIM	MIN	MAX
А	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.



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

Packing Detail

PACKAGE	STANDARDPACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight /Qty	Size	Qty	Size Oty Gr		Gr Wt
ТО-ЗР	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

BU508F, BU508AF, BU508DF

TO- 3P Fully Isolated Plastic Package

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Discrete 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 is 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 Discrete 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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