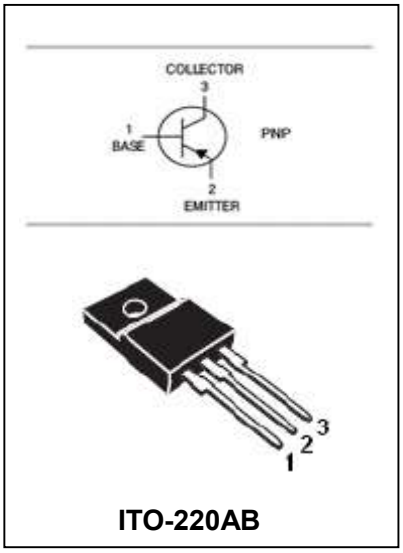
Plastic-Encapsulate Transistors 3CA1837

FEATURES

- Complementary to 3DA4793
- Collector Power Dissipation
- P_{CM} : 2W (Tamb=25.)

  20 W (Tcase=25.)

Lead-free



ITO-220AB

MAXIMUM RATING operating temperature range applies unless otherwise specified

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-230	V
V_{CEO}	Collector-Emitter Voltage	-230	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current-Continuous	-1	A
P_C	Collector Power Dissipation	1.5	W
T_j,T_{stg}	Junction and Storage Temperature	-55 to +150	℃

ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	MIN	Typ	MAX	UNIT
Collector-base Breakdown Voltage	BV_{CBO}	I_C=-100μA,I_B=0	-230			V
Collector-emitter Breakdown Voltage	BV_{CEO}	I_C=-1mA,I_B=0	-230			V
Emitter-base Breakdown Voltage	BV_{EBO}	I_E=-100μA,I_C=0	-5			V
Collector Cut-off Current	I_{CBO}	V_{CB}=-230V,I_E=0			-10	μA
Emitter Cut-off Current	I_{EBO}	V_{EB}=-5V,I_C=0			-10	μA
DC Current Gain	h_{FE}	V_{CE}=-5V,I_C=-0.1A	100		320	
Collector-emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-0.5A, I_B=-0.05A			-1.5	V
Transition Frequency	f_T	V_{CE}=-10V, I_C=-0.1A	30			MHz

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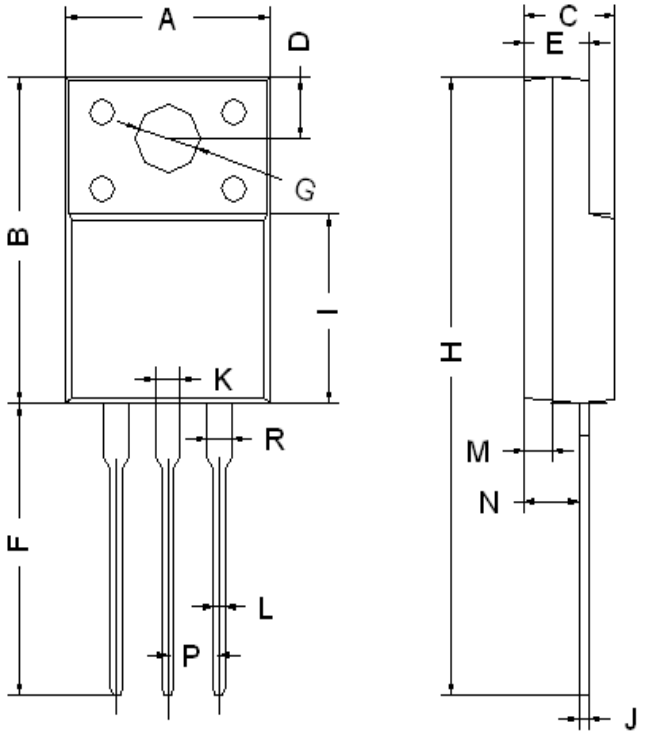
PACKAGE OUTLINE

Plastic surface mounted package ITO-220AB



ITO-220AB		
Dim	Min	Max
A	9.90	10.30
B	14.80	15.20
C	4.30	4.70
D	2.50	2.90
E	2.80	3.30
F	13.00	13.60
G	3.10	3.30
H	28.00	28.60
I	7.90	8.90
J	0.40	0.60
L	0.70	0.90
M	1.30	1.50
N	2.60	2.80
P	2.45	2.65
K/R	1.10	1.30
All Dimensions in mm		