3CA1837 TRANSISTOR (PNP)

TO-220F

1.BASE
2.COLLECTOR
3.EMITTER

FEATURES

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

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

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}	Operation Junction and Storage Temperature Range	-55-150	℃

ELECTRICAL CHARACTERISTICS (T_a=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	I_C=-100μA , I_E=0	-230			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I_C=-1mA, I_B=0	-230			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	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=-100mA	100		320	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-500mA, I_B=-50mA			-1.5	V
Transition frequency	f_T	V_{CE}=-10V, I_C=-100mA	30			MHz