

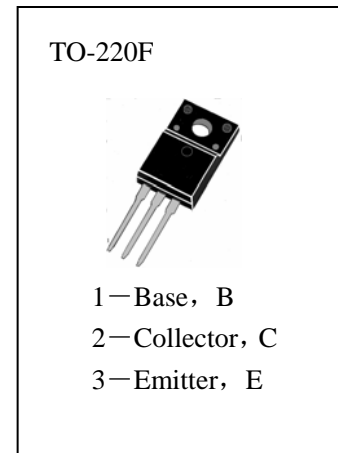


APPLICATIONS

- Power Amplifier Applications.
- Driver Stage Amplifier Applications.
- Complementary to HA1837.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

- T<sub>stg</sub>—Storage Temperature..... -55~150°C
- T<sub>j</sub>—Junction Temperature..... 150°C
- P<sub>C</sub>—Collector Dissipation(Tc=25°C).....20W
- P<sub>C</sub>—Collector Dissipation (Ta=25°C) .....2W
- V<sub>CB0</sub>—Collector-Base Voltage.....230V
- V<sub>CEO</sub>—Collector-Emitter Voltage.....230V
- V<sub>EB0</sub>—Emitter-Base Voltage.....5V
- I<sub>C</sub>—Collector Current (DC) .....1A
- I<sub>C</sub>—Collector Current (Pulse) .....0.1A



ELECTRICAL CHARACTERISTICS (Tc=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV <sub>CB0</sub>	Collector-Base Breakdown Voltage	230			V	I <sub>C</sub> =1mA, I <sub>E</sub> =0
BV <sub>CEO</sub>	Collector-Emitter Breakdown Voltage	230			V	I <sub>C</sub> =10mA, I <sub>B</sub> =0
BV <sub>EB0</sub>	Emitter-Base Breakdown Voltage	5			V	I <sub>E</sub> =1mA, I <sub>C</sub> =0
H <sub>FE</sub>	DC Current Gain	100		320		V <sub>CE</sub> =5V, I <sub>C</sub> =100mA
V <sub>CE(sat)</sub>	Collector- Emitter Saturation Voltage			1.5	V	I <sub>C</sub> =500mA, I <sub>B</sub> =50mA
V <sub>BE</sub>	Base-Emitter Voltage			1.0	V	V <sub>CE</sub> =5V, I <sub>C</sub> =500mA
I <sub>CBO</sub>	Collector Cut-off Current			1	μ A	V <sub>CB</sub> =230V, I <sub>E</sub> =0
I <sub>EBO</sub>	Emitter Cut-off Current			1	μ A	V <sub>EB</sub> =5V, I <sub>C</sub> =0
f <sub>T</sub>	Current Gain-Bandwidth Product		100		MHZ	V <sub>CE</sub> =10V, I <sub>C</sub> =100mA
C <sub>ob</sub>	Output Capacitance		20		pF	V <sub>CB</sub> =10V, f=1MHZ, I <sub>E</sub> =0



## Typical Characteristics

