

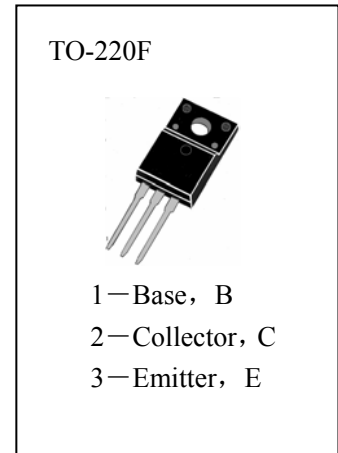


■ APPLICATIONS

Low frequency power amplifier Applications.

■ ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

- T_{stg}—Storage Temperature..... -55~150°C
- T_j—Junction Temperature..... 150°C
- P_C—Collector Dissipation(T_c=25°C).....20W
- P_C—Collector Dissipation (T_a=25°C)2W
- V_{CB0}—Collector-Base Voltage.....-60V
- V_{CEO}—Collector-Emitter Voltage.....-60V
- V_{EBO}—Emitter-Base Voltage.....-6V
- I_C—Collector Current (DC)-3A
- I_C—Collector Current (Pulse)-8A



■ ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CB0}	Collector-Base Breakdown Voltage	-60			V	I _C =-1mA, I _E =0
BV _{CEO}	Collector-Emitter Breakdown Voltage	-60			V	I _C =-5mA, I _B =0
BV _{EBO}	Emitter-Base Breakdown Voltage	-6			V	I _E =-1mA, I _C =0
H _{FE} (1)	DC Current Gain	70		280		V _{CE} =-5V, I _C =-0.5A
H _{FE} (2)	DC Current Gain	20				V _{CE} =-5V, I _C =-3A
V _{CE(sat)}	Collector- Emitter Saturation Voltage		-0.4	-1.0	V	I _C =-2A, I _B =-0.2A
V _{BE}	Base-Emitter Voltage		-0.8	-1.0	V	V _{CE} =-5V, I _C =-0.5A
I _{CBO}	Collector Cut-off Current			-100	μA	V _{CB} =-40V, I _E =0
I _{EBO}	Emitter Cut-off Current			-100	μA	V _{EB} =-4V, I _C =0
f _T	Current Gain-Bandwidth Product		100		MHz	V _{CE} =-5V, I _C =-0.5A
C _{ob}	Output Capacitance		60		pF	V _{CB} =-10V, f=1MHz

■ h_{FE} Classification

Q	R	S
70—140	100—200	140—280

