

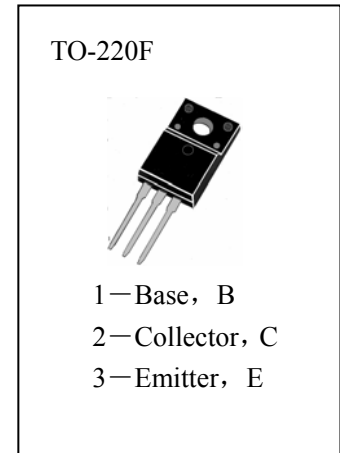


■ APPLICATIONS

Low frequency power amplifier Applications.

■ ABSOLUTE MAXIMUM RATINGS (T<sub>a</sub>=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(T<sub>c</sub>=25°C).....20W
- P<sub>C</sub>—Collector Dissipation (T<sub>a</sub>=25°C) .....2W
- V<sub>CB0</sub>—Collector-Base Voltage.....-60V
- V<sub>CEO</sub>—Collector-Emitter Voltage.....-60V
- V<sub>EBO</sub>—Emitter-Base Voltage.....-6V
- I<sub>C</sub>—Collector Current (DC) .....-3A
- I<sub>C</sub>—Collector Current (Pulse) .....-8A



■ ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C)

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

■ h<sub>FE</sub> Classification

Q	R	S
70—140	100—200	140—280

