

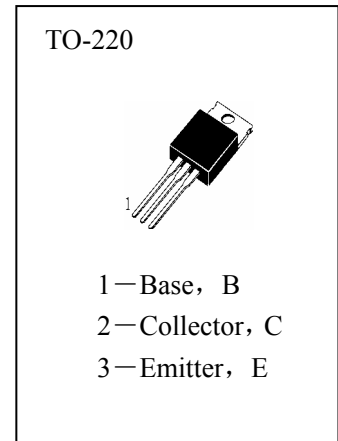


APPLICATIONS

Vertical Deflection Output Power Amplifier.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

- T_{stg}—Storage Temperature..... -55~150°C
- T_j—Junction Temperature..... 150°C
- P_C—Collector Dissipation(Tc=25°C).....25W
- P_C—Collector Dissipation (Ta=25°C)1.5W
- V_{CBO}—Collector-Base Voltage.....-150V
- V_{CEO}—Collector-Emitter Voltage.....-150V
- V_{EBO}—Emitter-Base Voltage.....-5V
- I_C—Collector Current.....-1.5A
- I_b—Base Current.....-0.5A



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BVCBO	Collector-Base Breakdown Voltage	-150			V	I _C =-500 μ A, I _E =0
BVCEO	Collector-Emitter Breakdown Voltage	-150			V	I _C =-10mA, I _B =0
BVEBO	Emitter-Base Breakdown Voltage	-5			V	I _E =-500 μ A, I _C =0
HFE	DC Current Gain	40	75	140		V _{CE} =-10V, I _C =-500mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			-1.5	V	I _C =-500mA, I _B =-50mA
V _{BE(ON)}	Base-Emitter On Voltage	-0.65	-0.75	-0.85	V	V _{CE} =-10V, I _C =-500mA
I _{CBO}	Collector Cut-off Current			-10	μ A	V _{CB} =-120V, I _E =0
I _{EBO}	Emitter Cut-off Current			-10	μ A	V _{EB} =-5V, I _C =0
f _T	Current Gain-Bandwidth Product		4		MHz	V _{CE} =-10V, I _C =-500mA
C _{ob}	Output Capacitance		55		pF	V _{CB} =-10V, I _E =0, f=1MHz

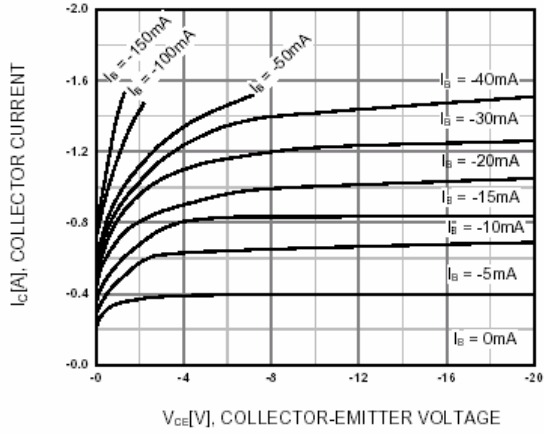
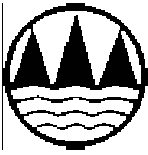


Figure 1. Static Characteristic

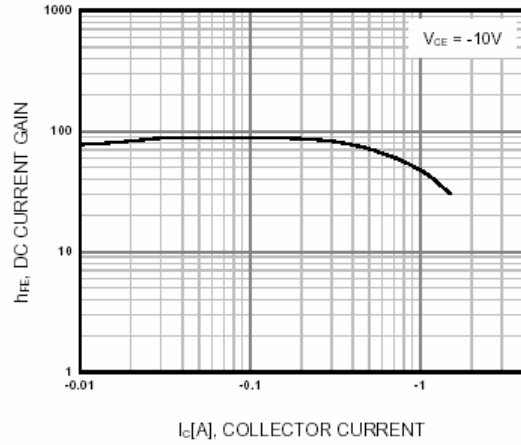


Figure 2. DC current Gain

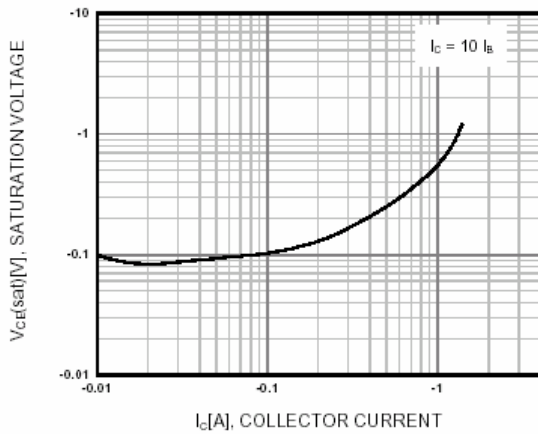


Figure 3. Collector-Emitter Saturation Voltage

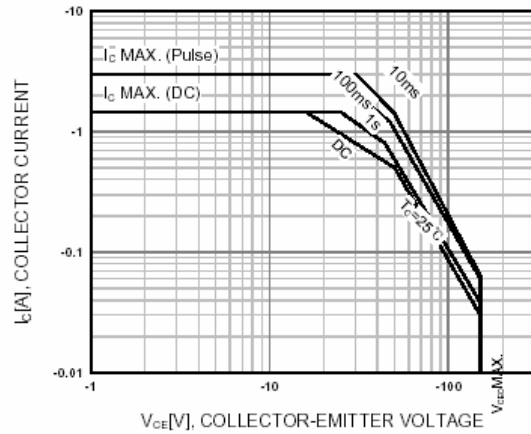


Figure 4. Safe Operating Area

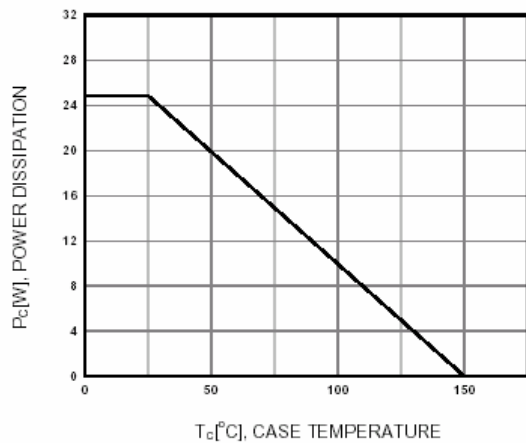


Figure 5. Power Derating