

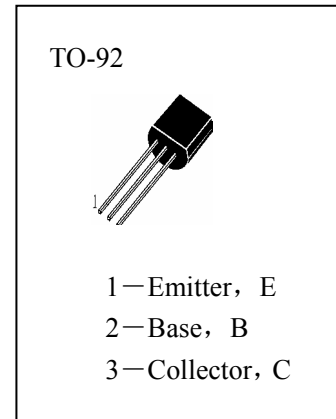


APPLICATIONS

Audio Frequency Amplifier.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

- Tstg—Storage Temperature..... -55~150°C
Tj—Junction Temperature.....150°C
Pc—Collector Dissipation.....625W
Vcbo—Collector-Base Voltage.....40V
Vceo—Collector-Emitter Voltage.....20V
Veb0—Emitter-Base Voltage.....5V
Ic—Collector Current.....500mA



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Table with 7 columns: Symbol, Characteristics, Min, Typ, Max, Unit, Test Conditions. Rows include ICBO, IEBO, HFE (1), HFE (2), VCE(sat), VBE(sat), VBE(on), BVcbo, BVceo, and BVebo.

hFE Classification

Table with 4 columns: B, C, D, E. Rows show hFE ranges: 85-160, 120-200, 160-300, 270-500.



Typical Characteristics

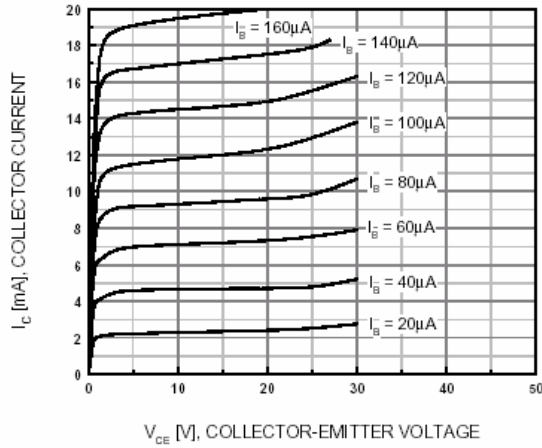


Figure 1. Static Characteristic

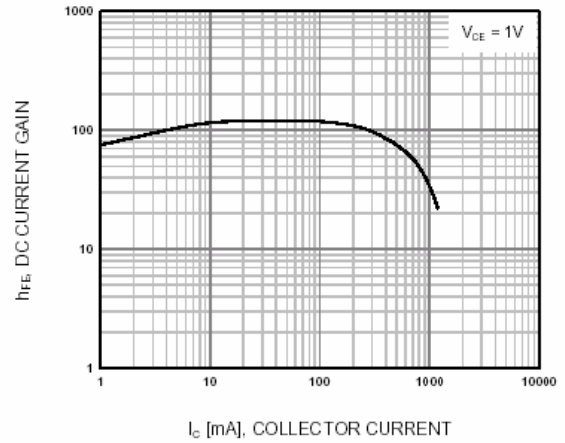


Figure 2. DC current Gain

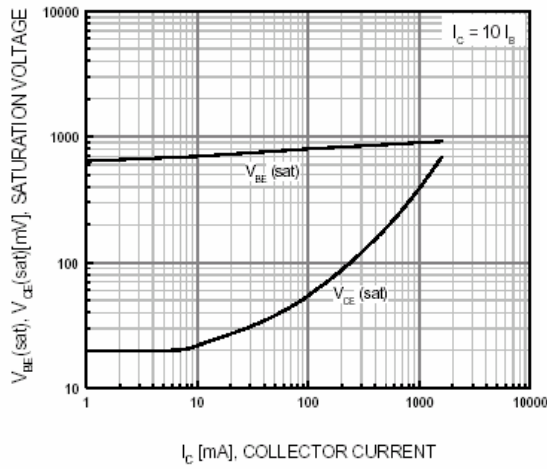


Figure 3. Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage

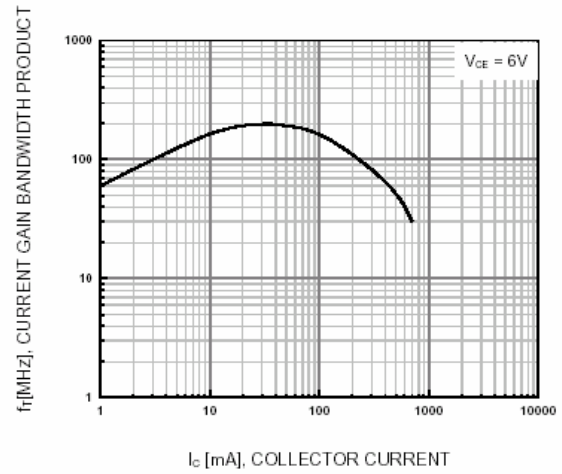


Figure 4. Current Gain Bandwidth Product