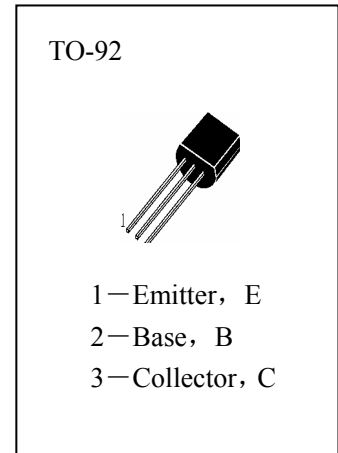




1W OUTPUT AMPLIFIER OF POTABLE RADIOS IN CLASS B PUSH-PULL OPERATION.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

- Tstg—Storage Temperature..... -55~150°C
Tj—Junction Temperature.....150°C
Pc—Collector Dissipation.....625mW
Vcbo—Collector-Base Voltage.....40V
Vceo—Collector-Emitter Voltage.....20V
Vebo—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 5 columns: E, F, G, H, I. Row 1: 78—112, 96—135, 112—166, 144—202, 176—246



Typical Characteristics

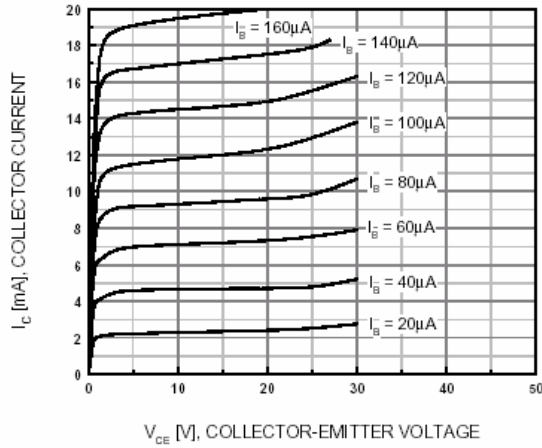


Figure 1. Static Characteristic

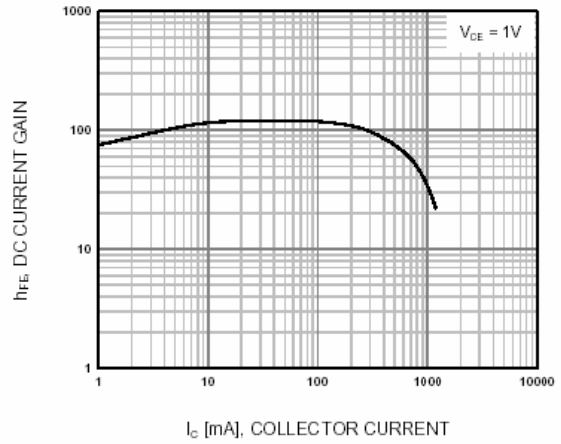


Figure 2. DC current Gain

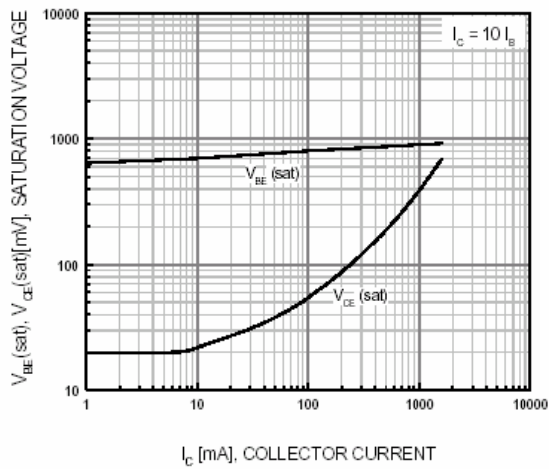


Figure 3. Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage

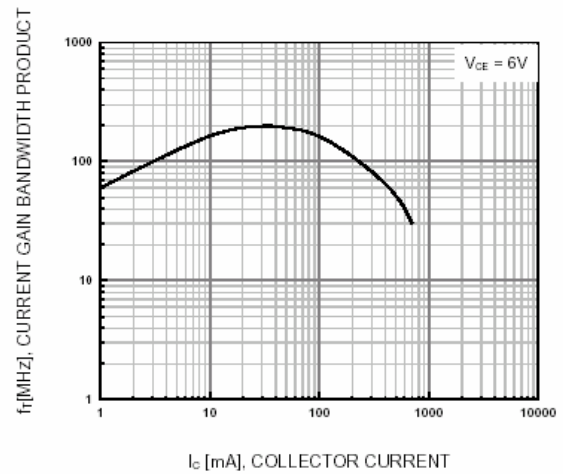


Figure 4. Current Gain Bandwidth Product