

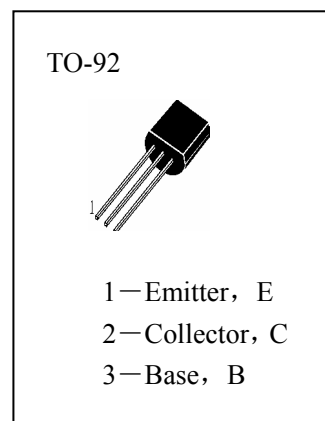


PNP EPITAXIAL SILICON TRANSISTOR

2W OUTPUT AMPLIFIER PORTABLE RADIO 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 1W
Vcbo Collector-Base Voltage -40V
Vceo Collector-Emitter Voltage -25V
Veb0 Emitter-Base Voltage -6V
Ic Collector Current -1.5A



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Table with 7 columns: Symbol, Characteristics, Min, Typ, Max, Unit, Test Conditions. Rows include ICBO, IEBO, HFE, VBE, VCE(sat), VBE(sat), BVCBO, BVCEO, BV EBO, and ft.

hFE Classification

Table with 4 columns: B, C, D, E. Row 1: 85-160, 120-200, 160-300, 270-500



Typical Characteristics

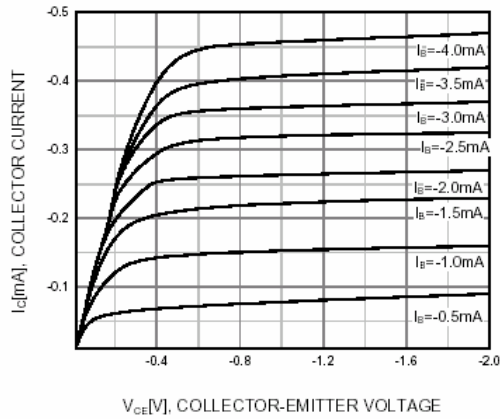


Figure 1. Static Characteristic

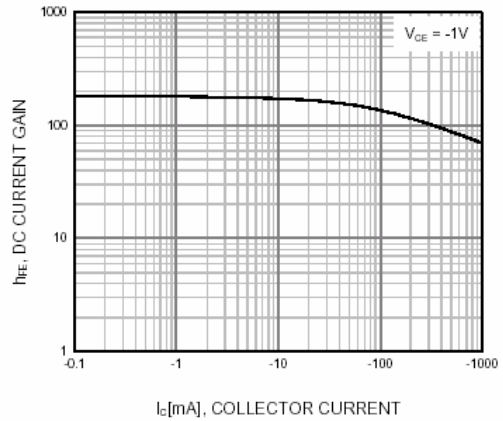


Figure 2. DC current Gain

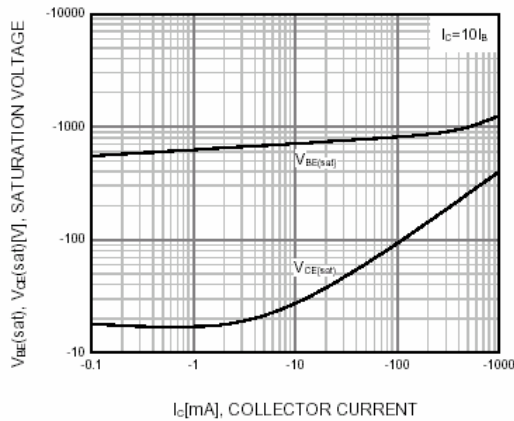


Figure 3. Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage

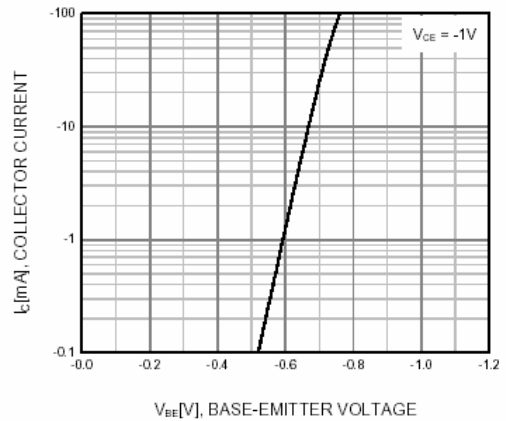


Figure 4. Base-Emitter On Voltage

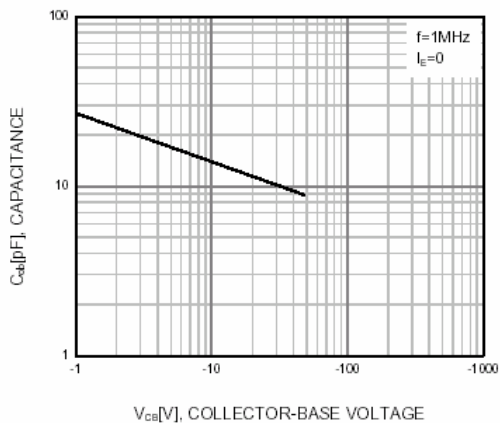


Figure 5. Collector Output Capacitance

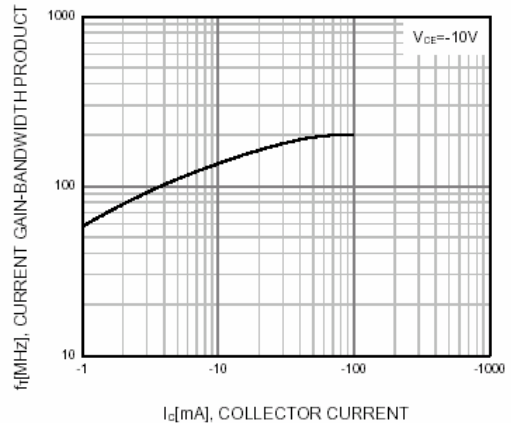


Figure 6. Current Gain Bandwidth Product