

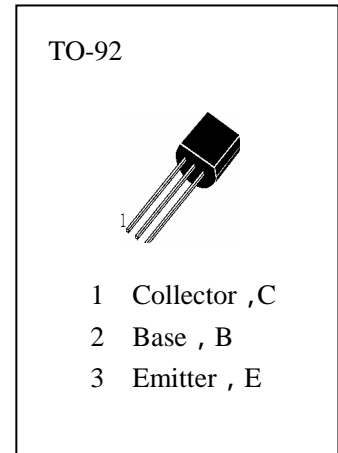


SWITCHING AND AMPLIFIER APPLICATIONS

Suitable for AF-Driver stages and low power output stages

ABSOLUTE MAXIMUM RATINGS (Ta=25)

- Tstg—Storage Temperature..... -55~150
Tj—Junction Temperature.....150
Pc—Collector Dissipation.....625mW
Vcbo—Collector-Base Voltage.....50V
Vceo—Collector-Emitter Voltage.....45V
Vbeo—Emitter-Base Voltage.....5V
Ic—Collector Current.....800mA



ELECTRICAL CHARACTERISTICS (Ta=25)

Table with 7 columns: Symbol, Characteristics, Min, Typ, Max, Unit, Test Conditions. Rows include BVcbo, BVceo, BVbeo, ICES, HFE, VCE(sat), VBE(ON), fT, and Ccbo.

hFE Classification

Table with 3 columns showing hFE ranges: 16, 25, 40 and 100-250, 160-400, 250-630.

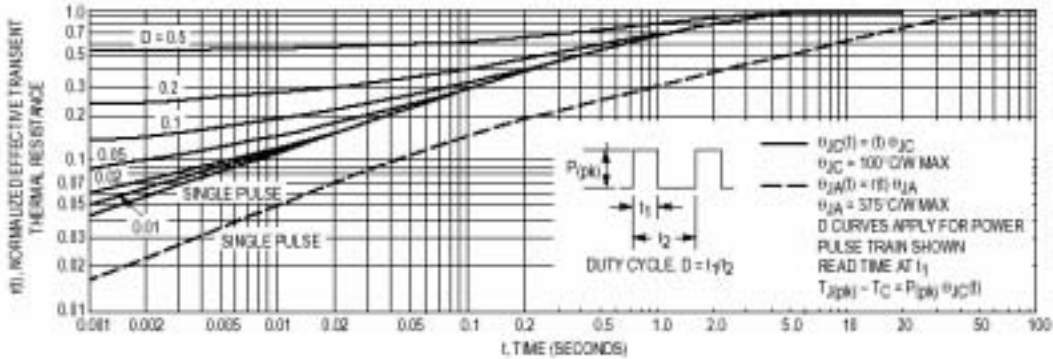


Figure 1. Thermal Response

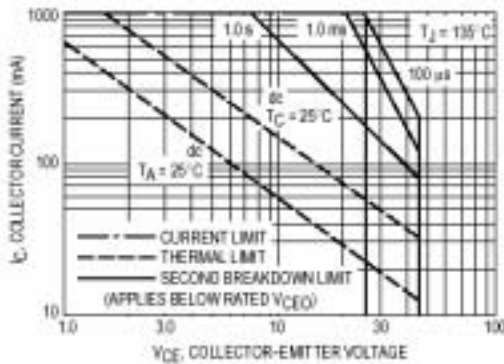


Figure 2. Active Region — Safe Operating Area

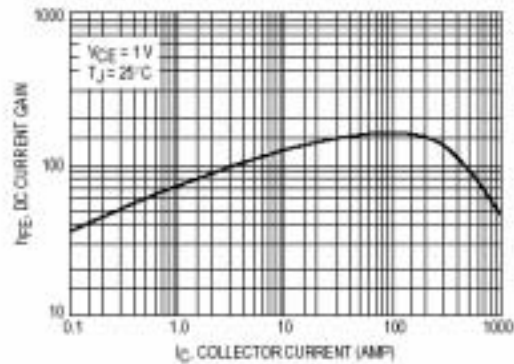


Figure 3. DC Current Gain

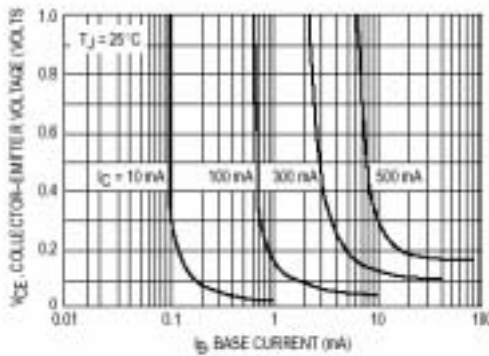


Figure 4. Saturation Region

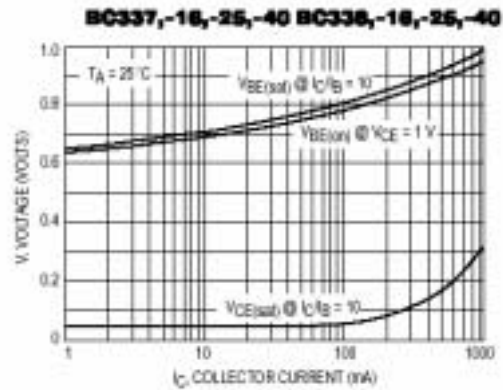


Figure 5. "On" Voltages

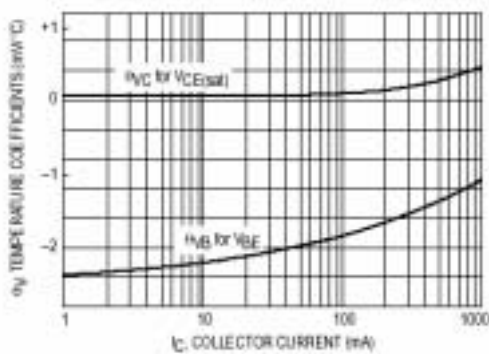


Figure 6. Temperature Coefficients

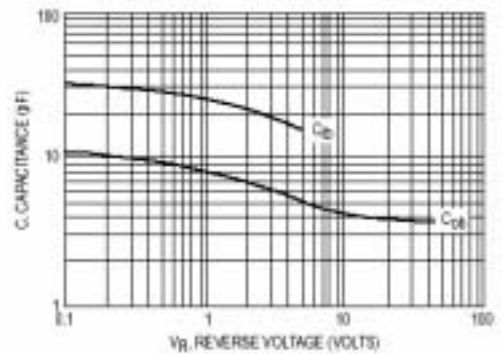


Figure 7. Capacitances