

ALPHANUMERIC INDEX — CROSS-REFERENCE (Continued)

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*Consult Motorola if a direct replacement is necessary.

BU406,D • BU407,D

ELECTRICAL CHARACTERISTICS — continued ($T_C = 25^\circ\text{C}$ unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
DYNAMIC CHARACTERISTICS					
Current-Gain — Bandwidth Product ($I_C = 0.5 \text{ Adc}$, $V_{CE} = 10 \text{ Vdc}$, $f_{\text{test}} = 20 \text{ MHz}$)	f_T	10	—	—	MHz
Output Capacitance ($V_{CB} = 10 \text{ Vdc}$, $I_E = 0$, $f = 1 \text{ MHz}$)	C_{ob}	—	80	—	pF
SWITCHING CHARACTERISTICS					
Inductive Load Crossover Time ($V_{CC} = 40 \text{ Vdc}$, $I_C = 5 \text{ Adc}$, $I_{B1} = I_{B2} = 0.5 \text{ Adc}$, $L = 150 \mu\text{H}$)	t_c	—	—	0.75	μs

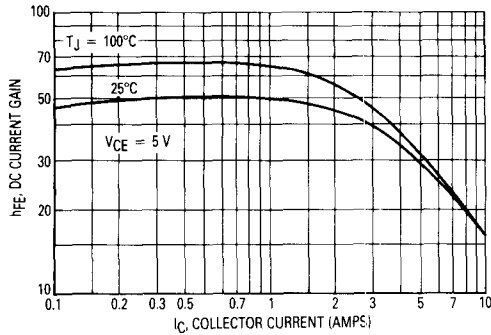


Figure 1. DC Current Gain

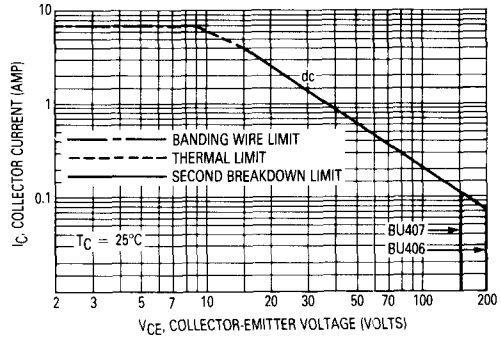


Figure 2. Maximum Rated Forward Bias Safe Operating Area

OUTLINE DIMENSIONS

