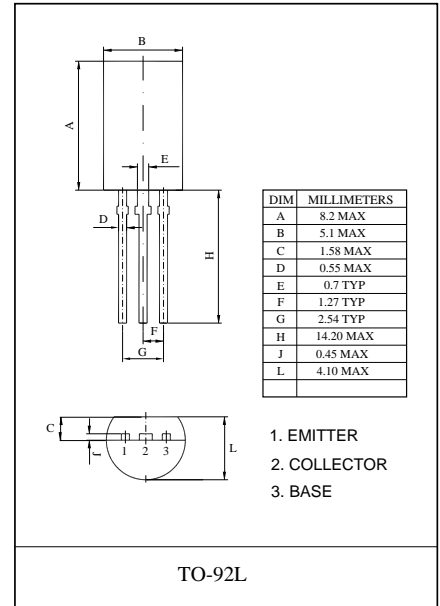


FEATURES

- Driver stage amplifier
- Complement to FTC2316



MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

Symbol	Parameter	Value	Units
V _{CB0}	Collector-Base Voltage	-120	V
V _{CEO}	Collector-Emitter Voltage	-120	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current -Continuous	-800	mA
P _C	Collector Power Dissipation	900	mW
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -1mA, I _E = 0	-120			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -10mA, I _B = 0	-120			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -1mA, I _C = 0	-5			V
Collector cut-off current	I _{CBO}	V _{CB} = -120V, I _E = 0			-0.1	μA
DC current gain	h _{FE(1)}	V _{CE} = -5V, I _C = -10mA	60			
	h _{FE(2)}	V _{CE} = -5V, I _C = -100mA	80		240	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = -500mA, I _B = -50mA			-1	V
Transition frequency	f _T	V _{CE} = -5V, I _C = -100mA		120		MHz
Collector output capacitance	C _{ob}	V _{CB} = -10V, I _E = 0, f = 1MHz			40	pF

CLASSIFICATION OF h_{FE(2)}

Rank	O	Y
Range	80-160	120-240

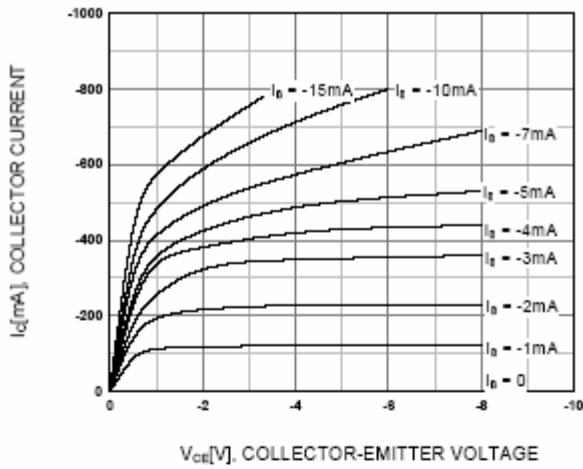


Figure 1. Static Characteristic

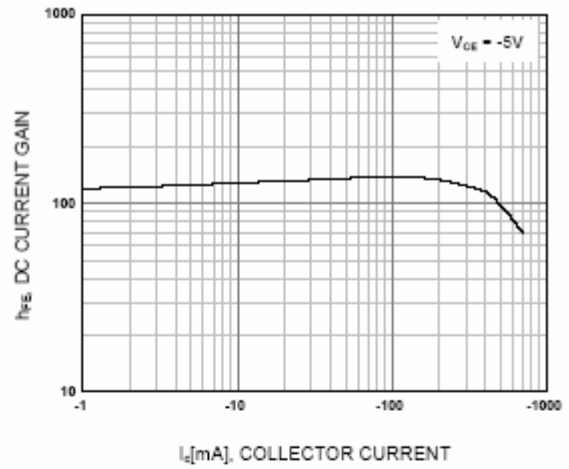


Figure 2. DC current Gain

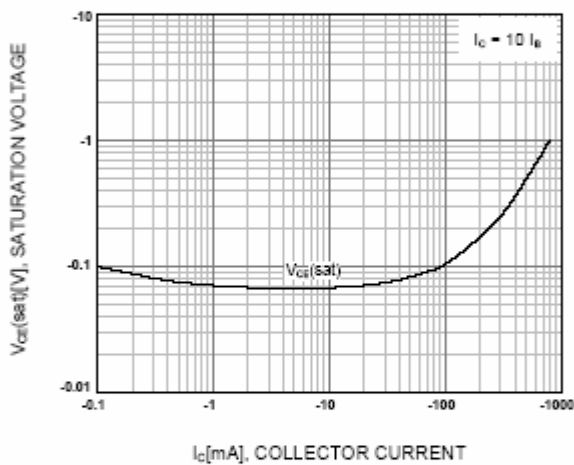


Figure 3. Collector-Emitter Saturation Voltage

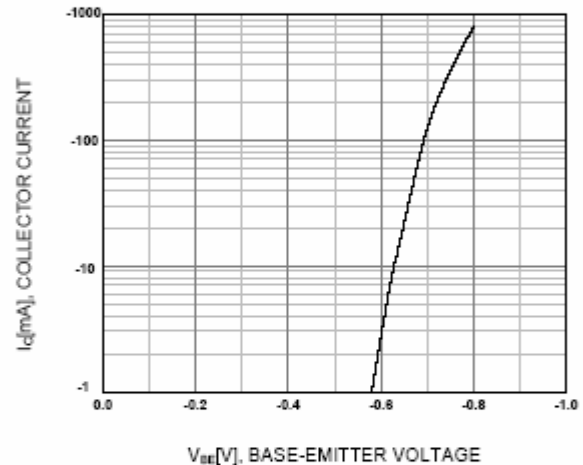


Figure 4. Base-Emitter On Voltage

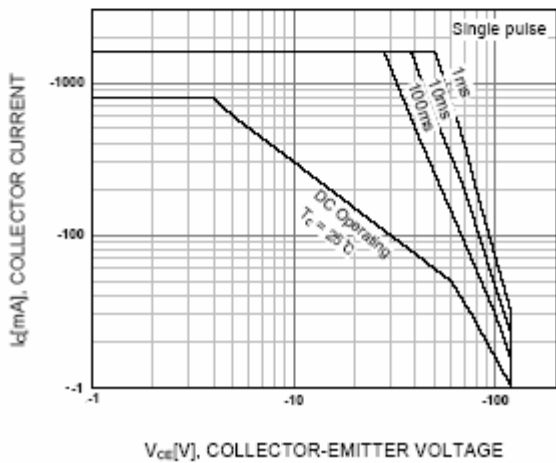


Figure 5. Safe Operating Area

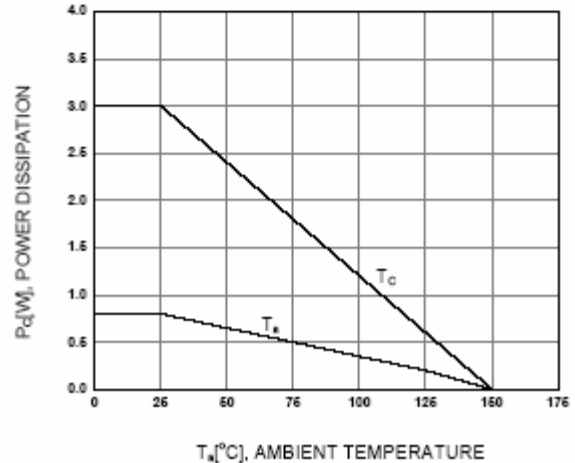


Figure 6. Power Derating