

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-40			V	$I_C = -50\mu A, I_E = 0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-32			V	$I_C = -1mA, I_B = 0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5.0			V	$I_E = -50\mu A, I_C = 0$
Collector-Base Cutoff Current	I_{CBO}			-1.0	μA	$V_{CB} = -20V, I_E = 0$
Emitter-Base Cutoff Current	I_{EBO}			-1.0	μA	$V_{EB} = -4.0V, I_C = 0$
DC Current Gain (Note2)	h_{FE}	82		390		$V_{CE} = -3.0V, I_C = -0.5A$
Collector-Emitter Saturation Voltage (Note2)	$V_{CE(sat)}$			-0.8	V	$I_C = -2A, I_B = -0.2A$
Transition Frequency	f_T		80		MHz	$V_{CE} = -5.0V, I_C = -0.5A, f = 30MHz$
Collector Output Capacitance	C_{ob}			65	pF	$V_{CB} = -10V, I_E = 0, f = 1.0MHz$

Note 2. Measured Using Pulse Current.

Curve Characteristics

Fig. 1 - Static Characteristics

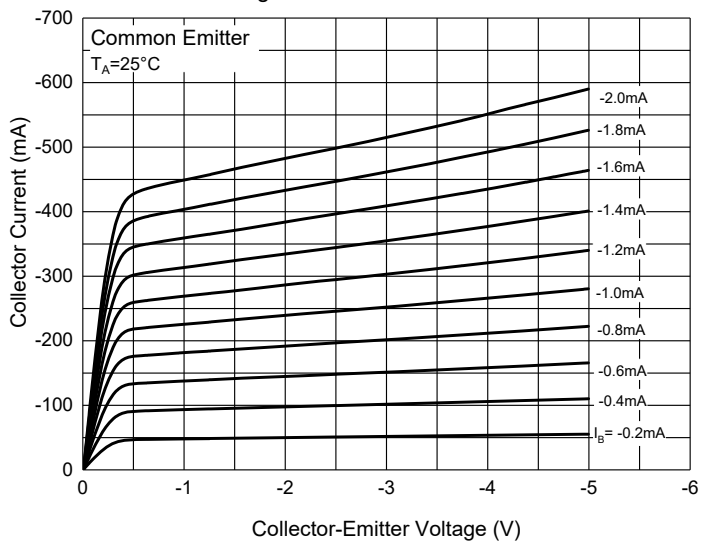


Fig. 2 - DC Current Gain Characteristics

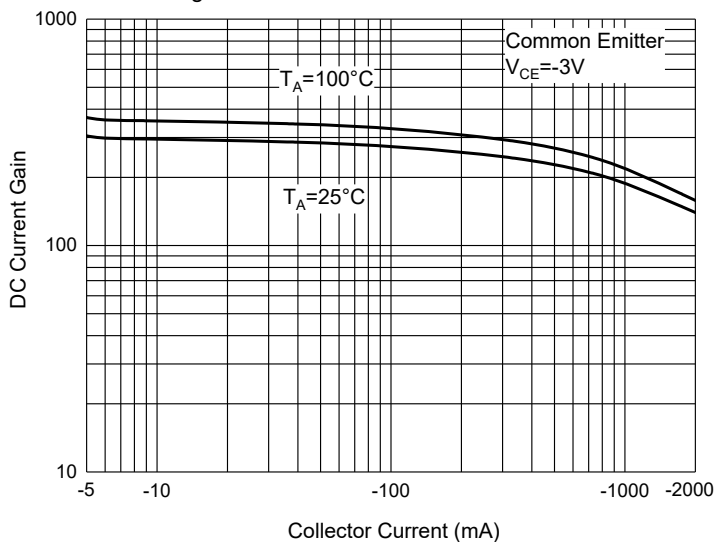


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics

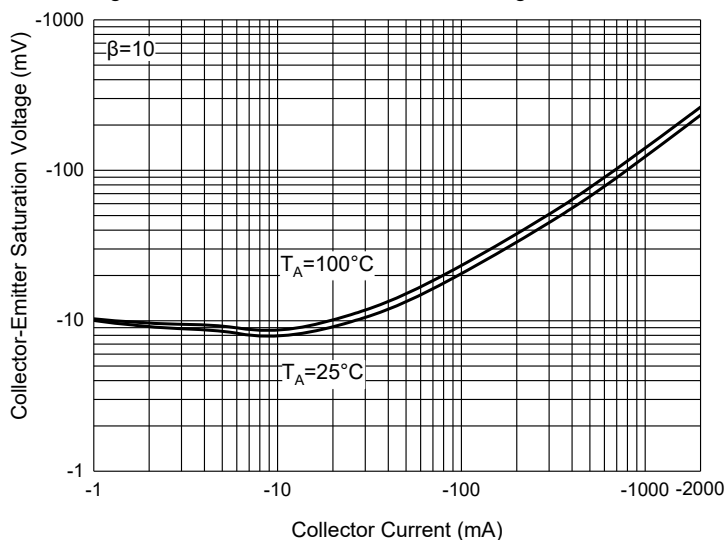


Fig. 4 - Base-Emitter Saturation Voltage Characteristics

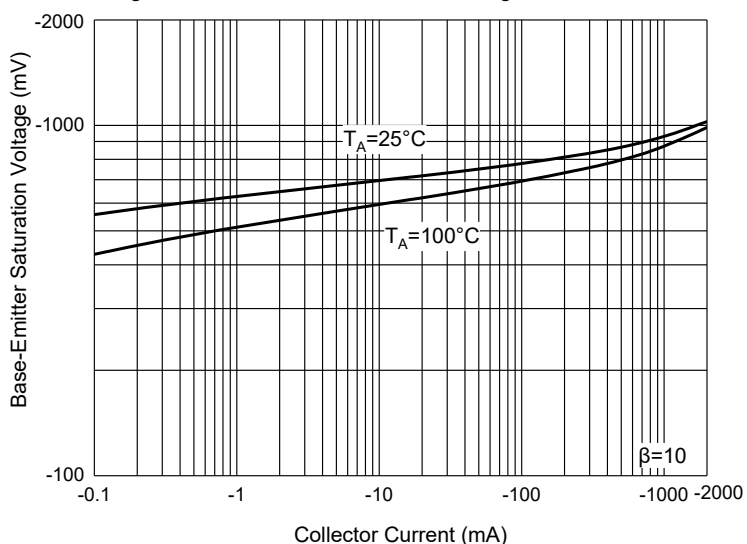


Fig. 5 - Base-Emitter Voltage Characteristics

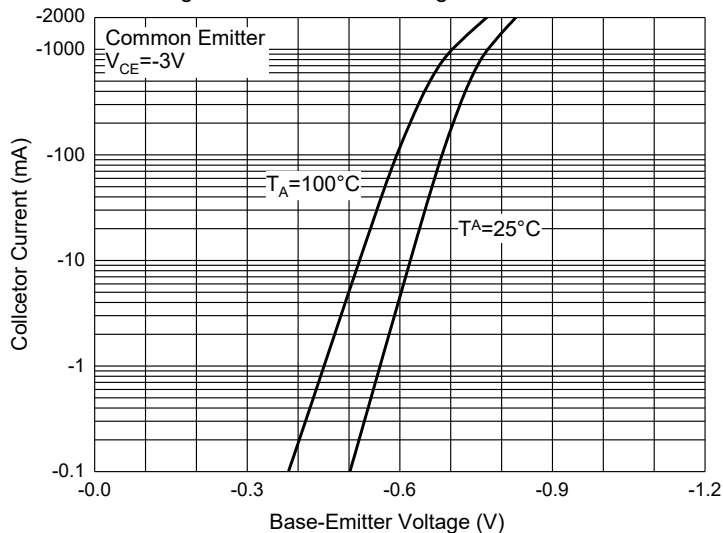
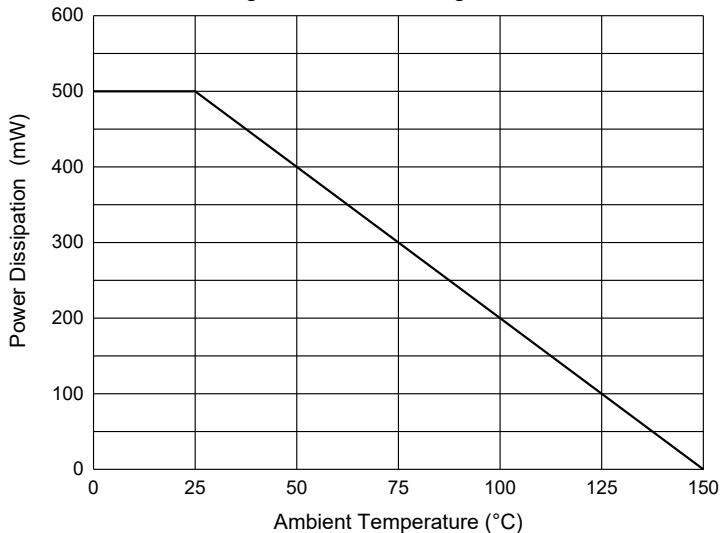


Fig. 6 - Power Derating Curve



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:1Kpcs/Reel

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