

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-60			V	$I_C = -50\mu A, I_E = 0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-50			V	$I_C = -1mA, I_B = 0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-6			V	$I_E = -50\mu A, I_C = 0$
Collector-Base Cutoff Current	I_{CBO}			-0.1	μA	$V_{CB} = -60V, I_E = 0$
Emitter-Base Cutoff Current	I_{EBO}			-0.1	μA	$V_{EB} = -6V, I_C = 0$
DC Current Gain	h_{FE}	120		560		$V_{CE} = -6V, I_C = -1mA$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			-0.5	V	$I_C = -50mA, I_B = -5mA$
Transition Frequency	f_T		140		MHz	$V_{CE} = -12V, I_C = -2mA, f = 30MHz$
Output Capacitance	C_{ob}			5	pF	$V_{CB} = -12V, I_C = 0, f = 1MHz$

Curve Characteristics

Fig. 1 - Static Characteristics

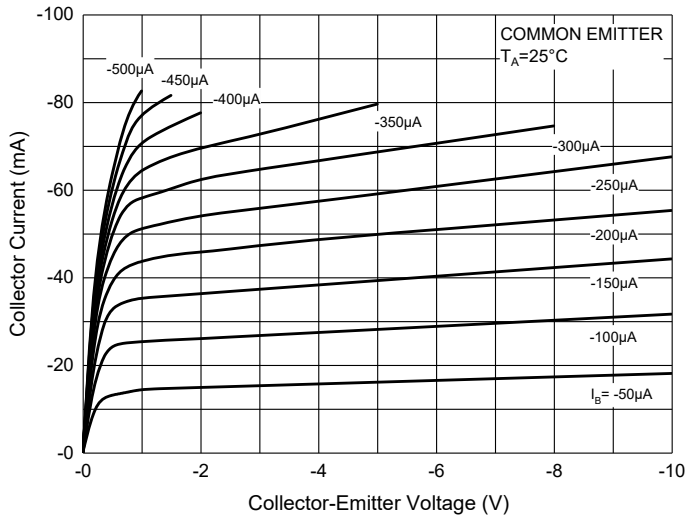


Fig. 2 - DC Current Gain Characteristics

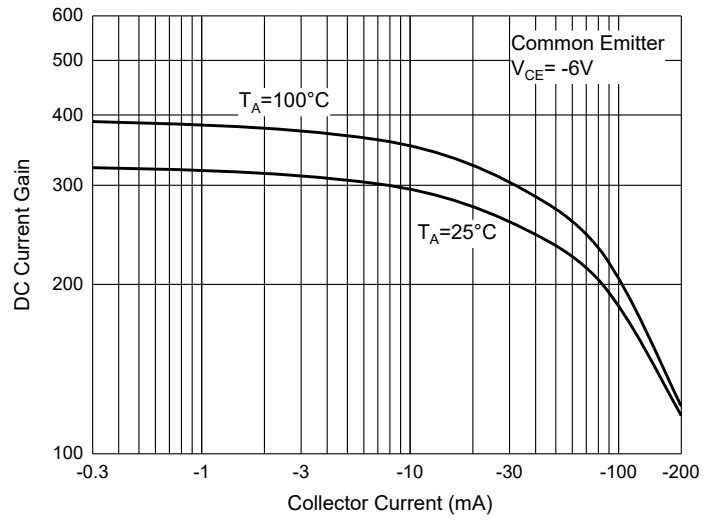


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics

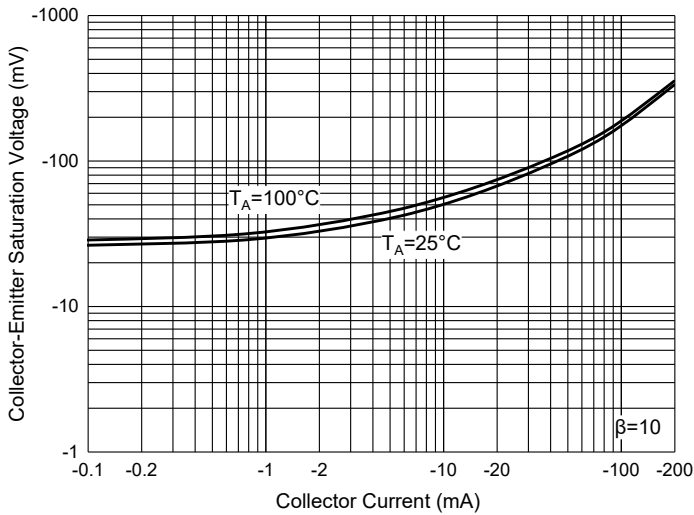


Fig. 4 - Base-Emitter Saturation Voltage Characteristics

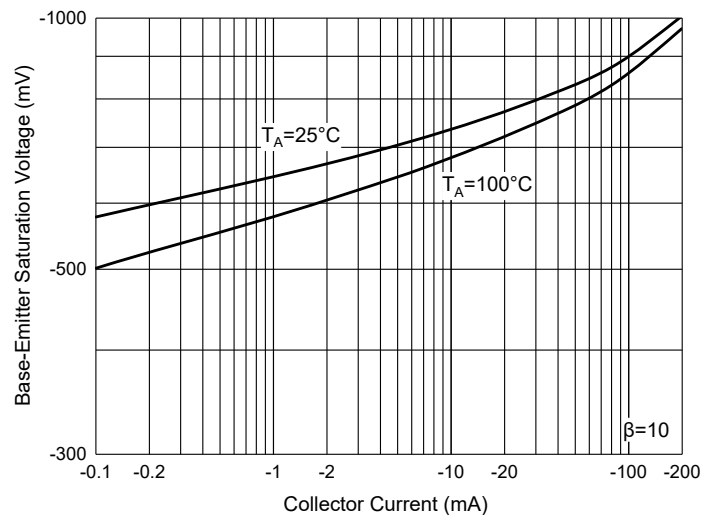


Fig. 5 - Base-Emitter Voltage Characteristics

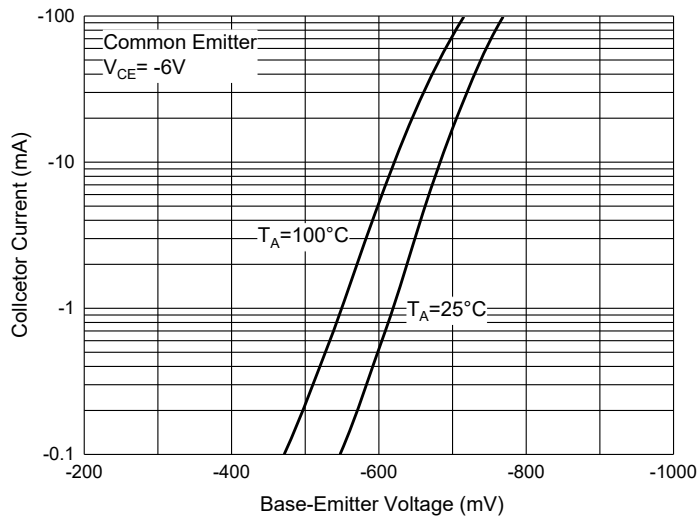
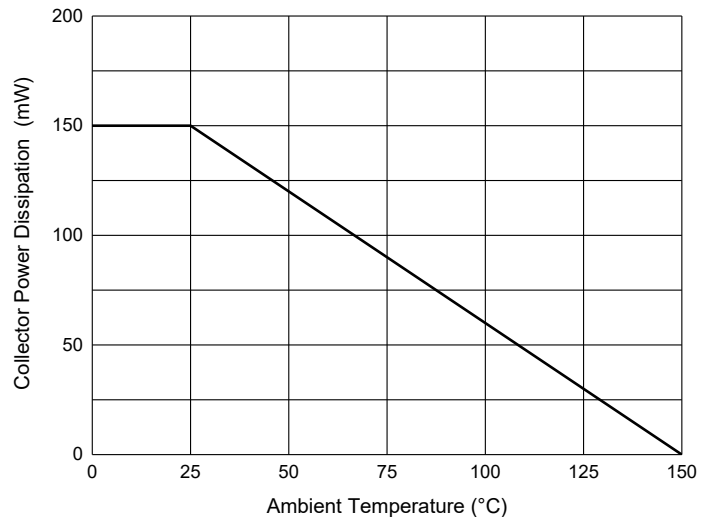


Fig. 6 - Collector Power Derating Curve



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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