

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	60			V	$I_C=100\mu A, I_E=0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	60			V	$I_C=10mA, I_B=0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5			V	$I_E=10\mu A, I_C=0$
Collector-Base Cutoff Current	I_{CBO}			0.1	μA	$V_{CB}=30V, I_E=0$
Emitter-Base Cutoff Current	I_{EBO}			0.1	μA	$V_{EB}=5.0V, I_C=0$
DC Current Gain	$h_{FE(1)}$	63		250		$V_{CE}=2.0V, I_C=150mA$
	$h_{FE(2)}$	40				$V_{CE}=2.0V, I_C=5mA$
	$h_{FE(3)}$	25				$V_{CE}=2.0V, I_C=500mA$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$			0.5	V	$I_C=500mA, I_B=50mA$
Base-Emitter Voltage	V_{BE}			1.0	V	$V_{CE}=2.0V, I_C=500mA$
Transition Frequency	f_T	130			MHz	$V_{CE}=5.0V, I_C=10mA, f=100MHz$

Classification of $h_{FE(1)}$

Rank	BCX55	BCX55-10	BCX55-16
Range	63~250	63~160	100~250
Marking	BE	BG	BM

Curve Characteristics

Fig. 1 - Static Characteristics

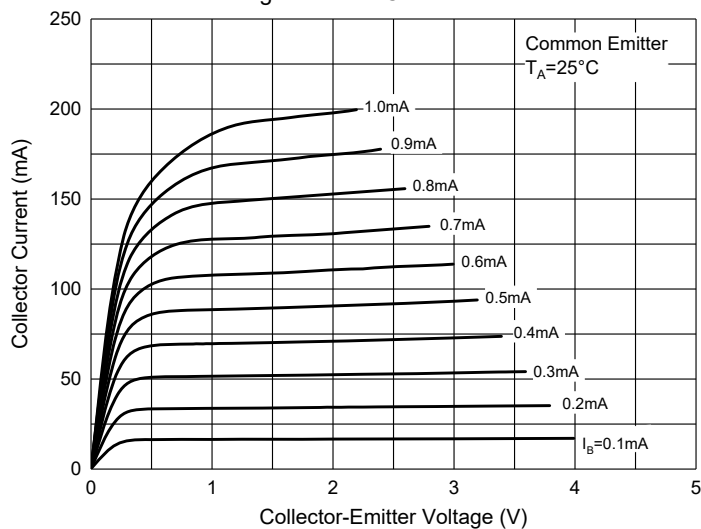


Fig. 2 - DC Current Gain Characteristics

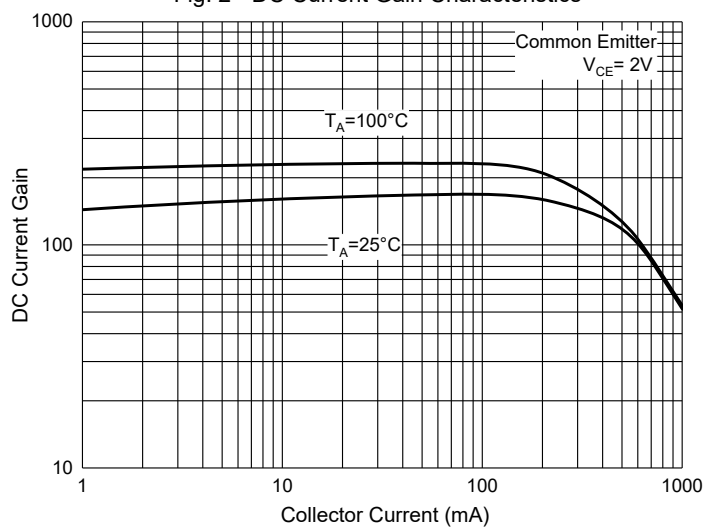


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics

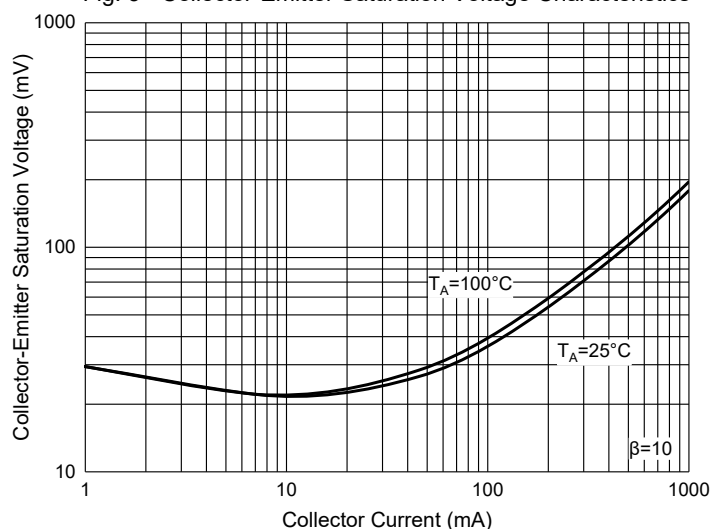


Fig. 4 - Base-Emitter Saturation Voltage Characteristics

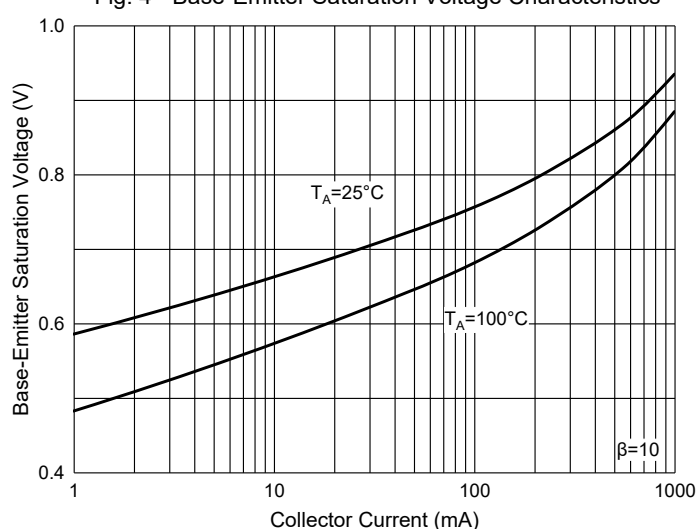


Fig. 5 - Base-Emitter Voltage Characteristics

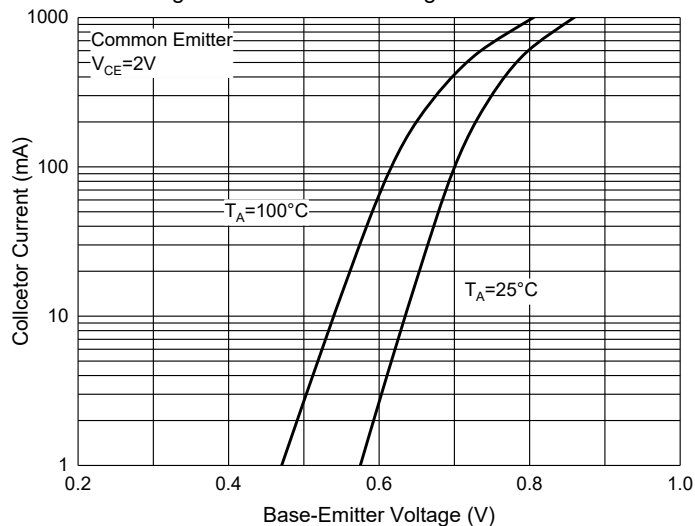
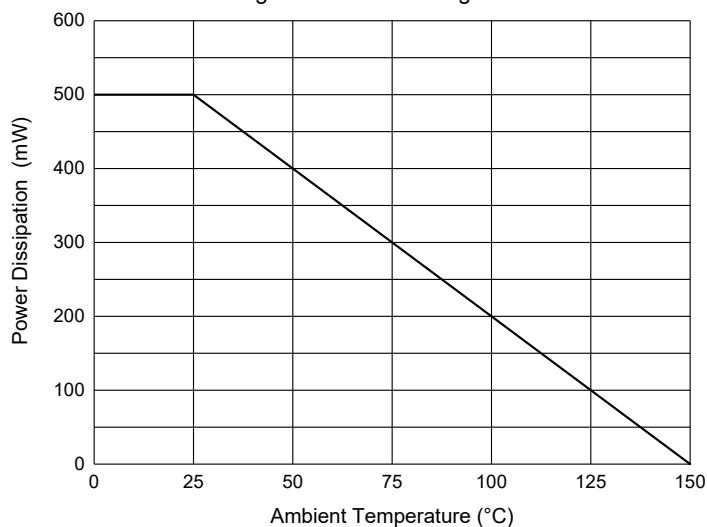


Fig. 6 - Power Derating Curve



Ordering Information

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

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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