

Electrical Characteristics @ $T_A=25^\circ\text{C}$ Unless Otherwise Specified

Parameter		Symbol	Min	Typ	Max	Units	Conditions
Collector-Emitter Breakdown Voltage	TIP125	$V_{(BR)CEO}$	-60			V	$I_C=-100\text{mA}, I_B=0$
	TIP126		-80				
	TIP127		-100				
Collector Cutoff Current	TIP125	I_{CBO}			-0.2	mA	$V_{CB}=-60\text{V}, I_E=0$
	TIP126		$V_{CB}=-80\text{V}, I_E=0$				
	TIP127		$V_{CB}=-100\text{V}, I_E=0$				
Collector Cutoff Current	TIP125	I_{CEO}			-0.5	mA	$V_{CE}=-30\text{V}, I_B=0$
	TIP126		$V_{CE}=-40\text{V}, I_B=0$				
	TIP127		$V_{CE}=-50\text{V}, I_B=0$				
Emitter Cutoff Current		I_{EBO}			-2	mA	$V_{EB}=-5\text{V}, I_C=0$
DC Current Gain		$h_{FE(1)}$	1000				$V_{CE}=-3\text{V}, I_C=-0.5\text{A}$
		$h_{FE(2)}$	1000				$V_{CE}=-3\text{V}, I_C=-3\text{A}$
Collector-Emitter Saturation Voltage		$V_{CE(sat)}$			-2.0	V	$I_C=-3\text{A}, I_B=-12\text{mA}$
						-4.0	V
Base-Emitter Voltage		V_{BE}			-2.5	V	$V_{CE}=-3\text{V}, I_C=-3\text{A}$
Output Capacitance		C_{ob}			300	pF	$V_{CB}=-10\text{V}, I_E=0, f=0.1\text{MHz}$

Curve Characteristics

Fig. 1 - Static Characteristics

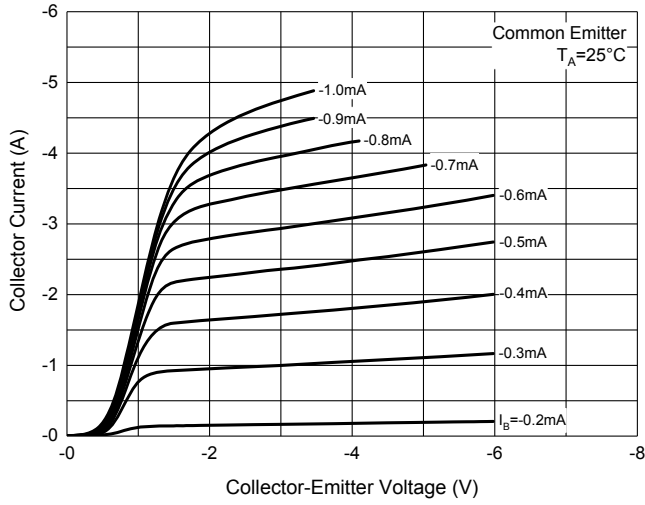


Fig. 2 - DC Current Gain Characteristics

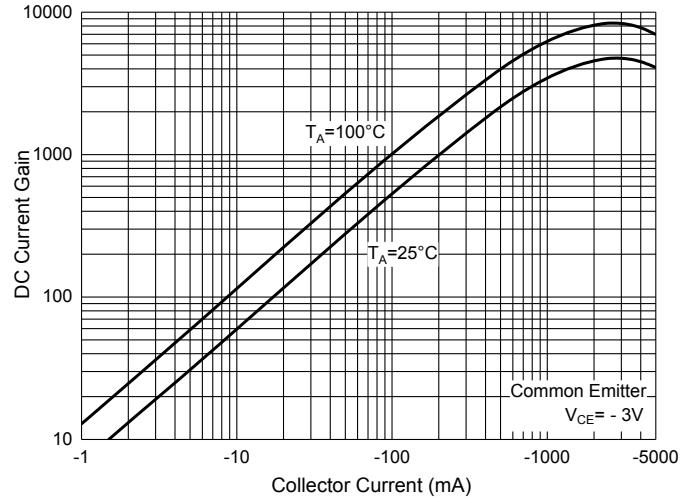


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics

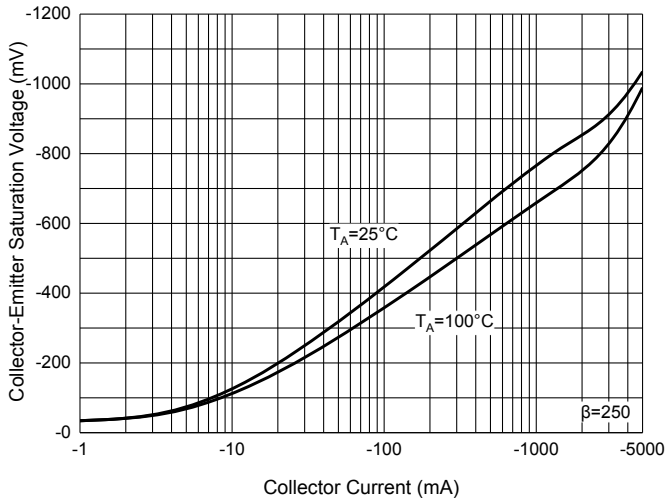


Fig. 4 - Base-Emitter Saturation Voltage Characteristics

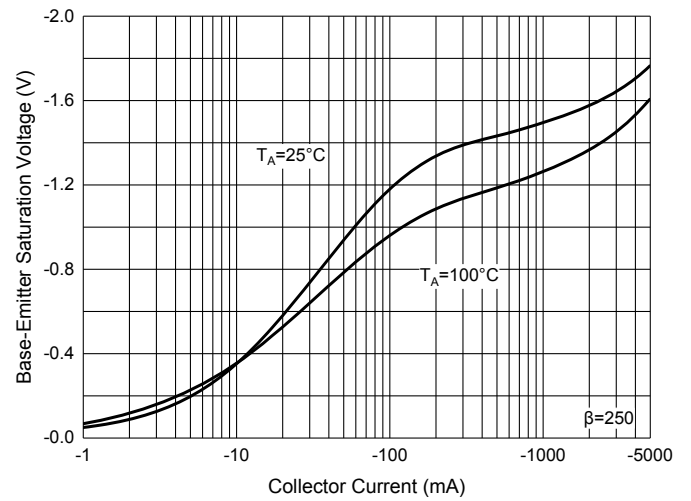


Fig. 5 - Base-Emitter Voltage Characteristics

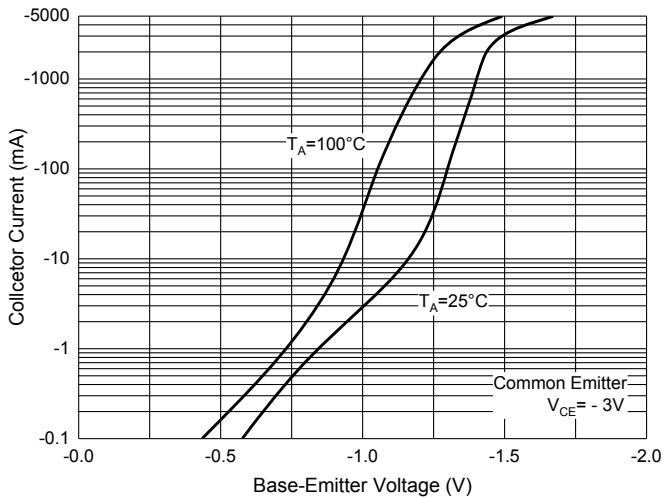
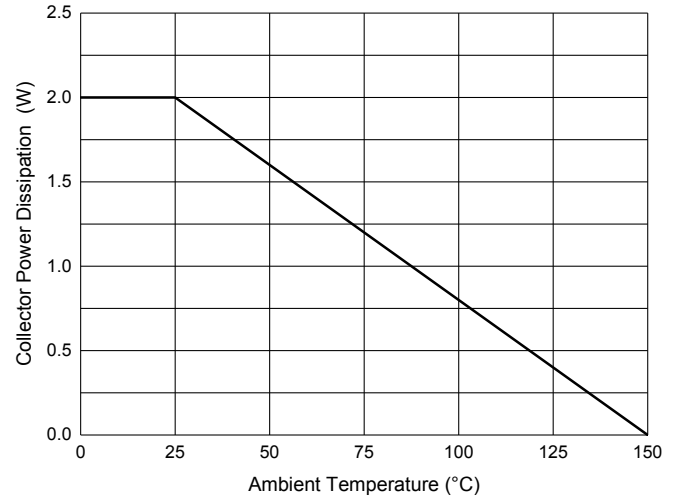


Fig. 6 - Collector Power Derating Curve



Ordering Information

Device	Packing
Part Number-BP	Bulk: 1Kpcs/Box

Note : Adding "-HF" Suffix for Halogen Free, eg. Part Number-BP-HF

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