

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

Parameter	Symbol	Min	Typ	Max	Units	Conditions
Collector-Base Cutoff Current	I_{CBO}			0.1	μA	$V_{CB}=60\text{V}, I_E=0$
Emitter-Base Cutoff Current	I_{EBO}			0.1	μA	$V_{EB}=5\text{V}, I_C=0$
DC Current Gain	h_{FE}	135		600		$V_{CE}=6\text{V}, I_C=1\text{mA}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$		0.15	0.3	V	$I_C=100\text{mA}, I_B=10\text{mA}$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$		0.86	1.00	V	$I_C=100\text{mA}, I_B=10\text{mA}$
Base-Emitter Voltage	V_{BE}	0.55	0.62	0.65	V	$V_{CE}=6\text{V}, I_C=1\text{mA}$
Transition Frequency	f_T		250		MHz	$V_{CE}=6\text{V}, I_C=10\text{mA}$
Collector Output Capacitance	C_{ob}		3		pF	$V_{CB}=6\text{V}, I_E=0, f=1\text{MHz}$

Classification of h_{FE}

Rank	L5	L6	L7
Range	135-270	200-400	300-600
Marking	L5	L6	L7

Curve Characteristics

Fig. 1 - Static Characteristics

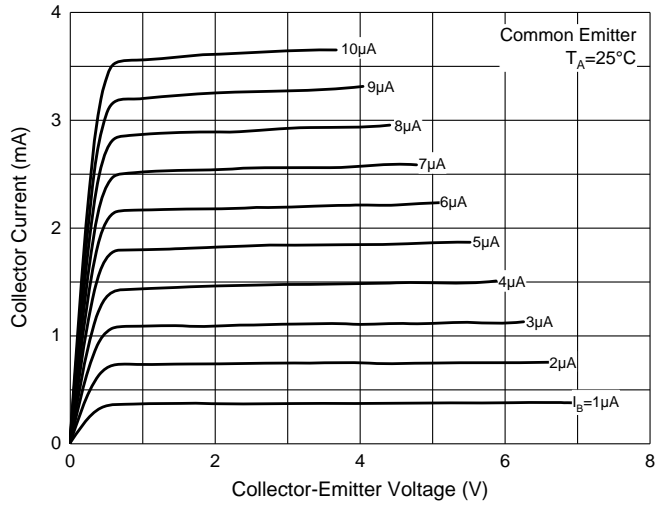


Fig. 2 - DC Current Gain Characteristics

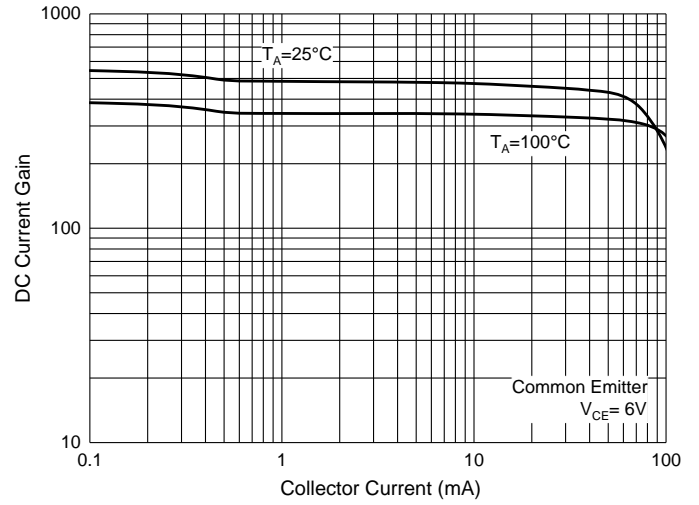


Fig. 3 - Base-Emitter Saturation Voltage Characteristics

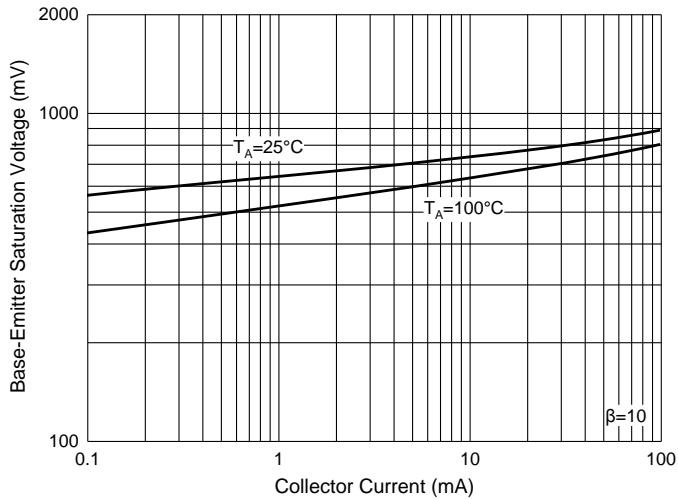


Fig. 4 - Collector-Emitter Saturation Voltage Characteristics

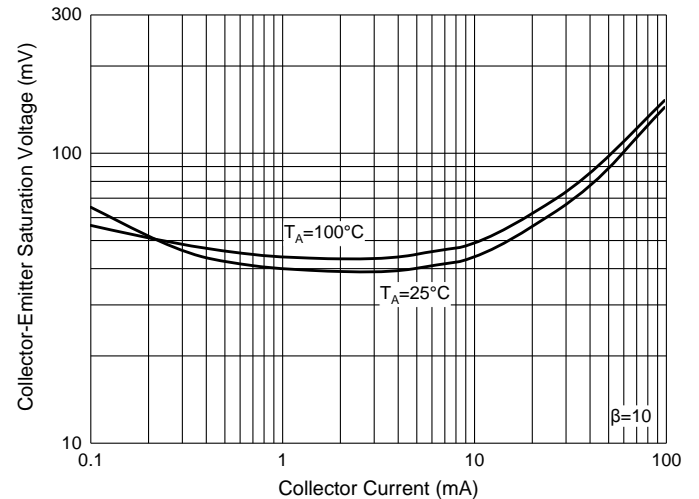


Fig. 5 - Base-Emitter Voltage Characteristics

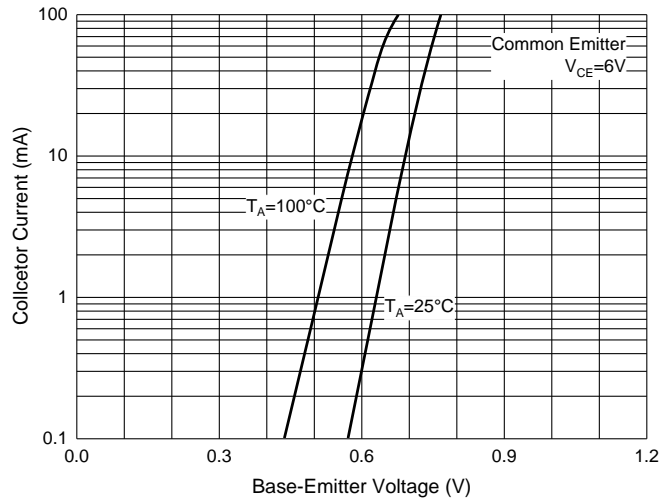
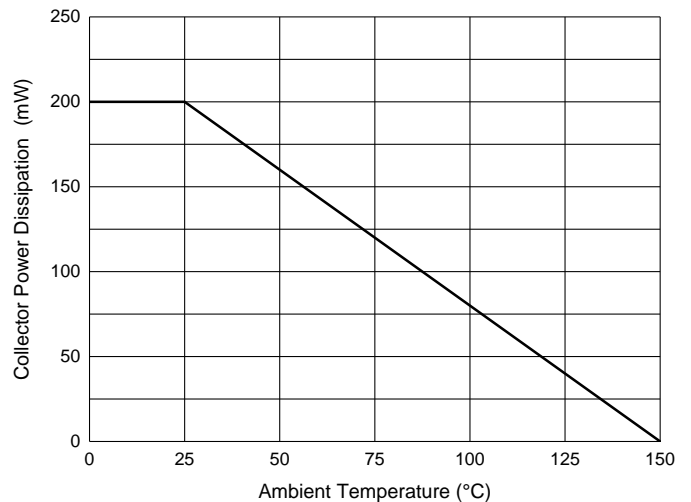


Fig. 6 - Collector Power Derating Curve



Ordering Information

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

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