

### Electrical Characteristics @ T<sub>A</sub>=25°C Unless Otherwise Specified

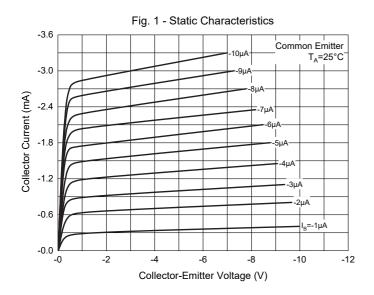
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V <sub>(BR)CBO</sub>	-50			V	I <sub>C</sub> =-100μA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	-50			V	I <sub>C</sub> =-10mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	-5			V	I <sub>E</sub> =-10μA, I <sub>C</sub> =0
Collector-Base Cutoff Current	I <sub>CBO</sub>			-0.1	μA	$V_{CB}$ =-50V, $I_E$ =0
Emitter-Base Cutoff Current	I <sub>EBO</sub>			-0.1	μA	V <sub>EB</sub> =-5V, I <sub>C</sub> =0
DC Current Gain	h <sub>FE(1)</sub>	130		400		V <sub>CE</sub> =-6V, I <sub>C</sub> =-2mA
	h <sub>FE(2)</sub>	25				V <sub>CE</sub> =-6V, I <sub>C</sub> =-150mA
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>		-0.1	-0.3	V	I <sub>C</sub> =-100mA, I <sub>B</sub> =-10mA
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>			-1.1	V	I <sub>C</sub> =-100mA, I <sub>B</sub> =-10mA
Transition Frequency	f <sub>T</sub>	80			MHz	$V_{CE}$ =-10V, $I_{C}$ =-1mA
Collector Output Capacitance	C <sub>ob</sub>		4	7	pF	V <sub>CB</sub> =-10V,I <sub>E</sub> =0,f=1MHz
Noise Figure	N <sub>F</sub>		0.5	6	dB	$V_{CE}$ =-6V, $I_{C}$ =-0.1mA,f=100Hz, $R_{g}$ =1K $\Omega$

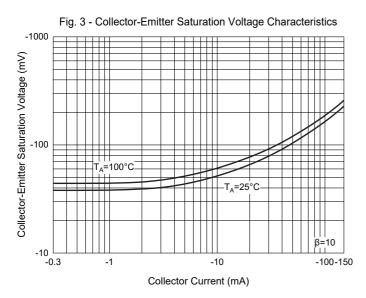
# Classification of h<sub>FE(1)</sub>

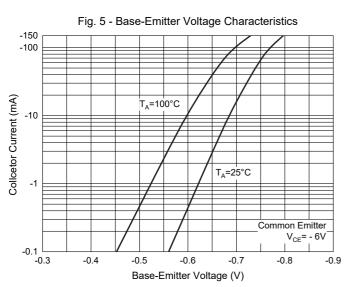
Rank	L	Н
Range	130-200	200-400

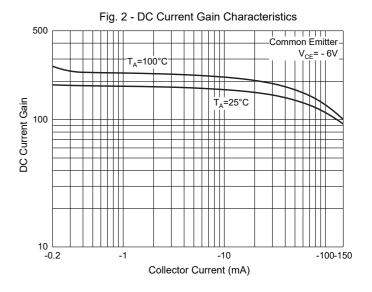


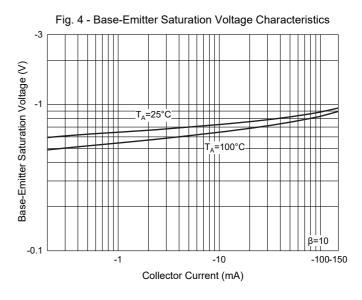
#### **Curve Characteristics**

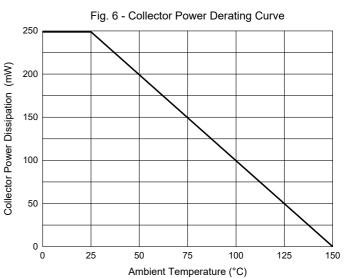














### **Ordering Information**

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

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