

Electrical Characteristics @ $T_A \!\!=\!\! 25^\circ C$ Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	40			V	I _C =100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	25			V	I _C =0.1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	5			V	I _E =100μA, I _C =0
Collector Cut-off Current	I _{CBO}			0.1	μA	V _{CB} =40V, I _E =0
Collector Cut-off Current	I _{CEO}			0.1	μA	V _{CE} =20V, I _B =0
Emitter Cut-off Current	I _{EBO}			0.1	μA	V_{EB} =5V, I _C =0
DC Current Gain	h _{FE(1)}	112		300		V _{CE} =1V, I _C =50mA
	h _{FE(2)}	40				V _{CE} =1V, I _C =500mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.6	V	I _C =500mA, I _B =50mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			1.2	V	I _C =500mA, I _B =50mA
Base-Emitter Voltage	V _{EB}			1.4	V	I _E =100mA
Transition Frequency	f _T	150			MHz	V _{CE} =6V, I _C =20mA, f=30MHz

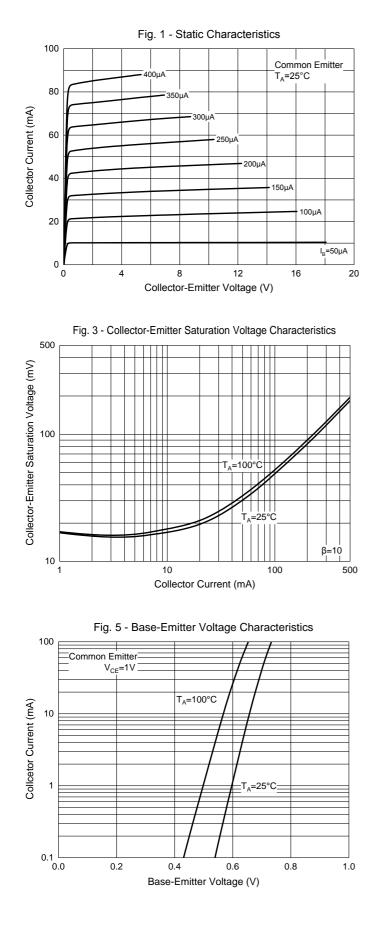
Classification of h_{FE}

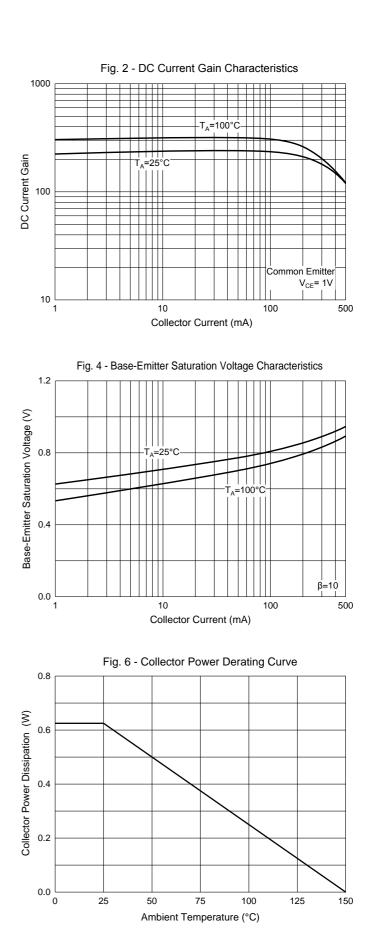
Rank	G	Н	I
Range	112-166	144-202	190-300





Curve Characteristics







Ordering Information

Device	Packing		
Part Number-AP	Ammo Packing: 20Kpcs/Carton		
Part Number-BP	Bulk: 100Kpcs/Carton		

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

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