

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage BC846A-BC846B BC847A-BC847C BC848A-BC848C,BC849B-BC849C	V _{(BR)CBO}	80 50 30			V	Ι _C =10μΑ, Ι _E =0
Collector-Emitter Breakdown Voltage BC846A-BC846B BC847A-BC847C BC848A-BC848C,BC849B-BC849C	V _{(BR)CEO}	65 45 30			V	I _C =10mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	6			V	I _E =10μΑ, I _C =0
Collector Cut-off Current BC846A-BC846B BC847A-BC847C BC848A-BC848C,BC849B-BC849C	I _{CBO}			0.1	μΑ	$V_{CB}=70V, I_{E}=0$ $V_{CB}=50V, I_{E}=0$ $V_{CB}=30V, I_{E}=0$
Collector Cut-off Current						V/ 00)// 0
BC846A-BC846B BC847A-BC847C BC848A-BC848C,BC849B-BC849C	I _{CEO}			0.1	μA	$V_{CE}=60V,I_{B}=0$ $V_{CE}=45V,I_{B}=0$ $V_{CE}=30V,I_{B}=0$
Emitter Cut-off Current	I _{EBO}			0.1	μA	V _{EB} =5V, I _C =0
DC Current Gain BC846A,BC847A, BC848A BC846B,BC847B,BC848B, BC849B BC847C,BC848C,BC849C	h _{FE}	110 200 420		220 450 800		V _{CE} =5V, I _C =2mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.5	V	I _C =100mA, I _B =5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			1.10	V	I _C =100mA, I _B =5mA
Transition Frequency	f⊤	100			MHz	V _{CE} =5V, I _C =10mA, f=100MHz
Collector Output Capacitance	C _{ob}			4.5	pF	V _{CB} =10V, f=1MHz

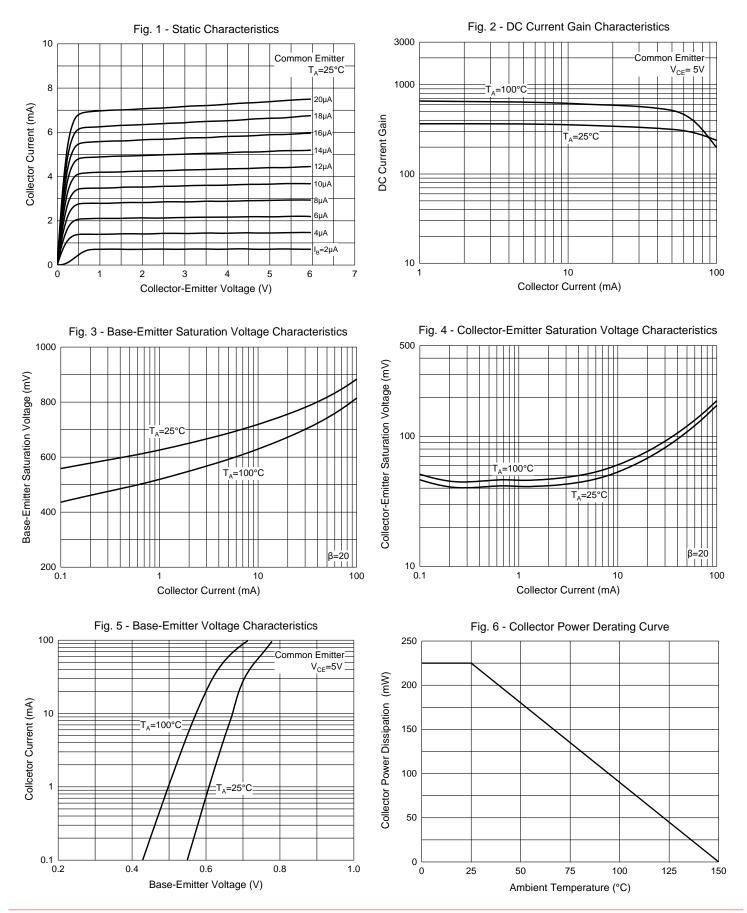
Note:

1. Transistor mounted on an FR4 printed-circuit board





Curve Characteristics



Rev.3-2-09202019



Ordering Information

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

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

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