

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	50			V	I _C =10μA, I _E =0
Collector-Emitter Breakdown Voltage ^(Note3)	$V_{(BR)CEO}$	45			V	I _C =10mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	5			V	$I_{E}=1\mu A, I_{C}=0$
Collector Cutoff Current	I _{CBO}			0.1	μΑ	V _{CB} =45V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			0.1	μA	V_{EB} =4V, I_{C} =0
DC Current Gain ^(Note3)	h _{FE1}	100		600		V _{CE} =1V, I _C =100mA
	h _{FE2}	40				V _{CE} =1V, I _C =500mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			0.7	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 _{BE}			1.2	V	V _{CE} =1V, I _C =500mA
Collecter capactiance	C _{ob}		10		pF	V _{CB} =10V, f=1MHz,
Transition Frequency	f _T	100			MHz	V _{CE} =5V, I _C =10mA, f=100MHz

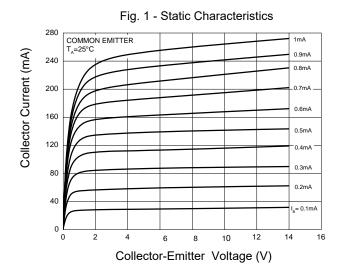
Note: 3. Pulse Width ≤ 300µs, Duty Cycle≤2.0%

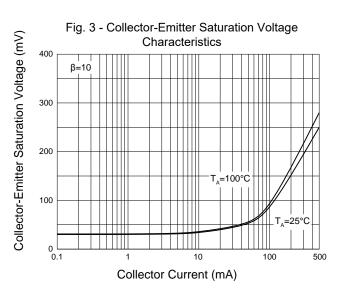
CLASSIFICATION OF h_{FE (1)}

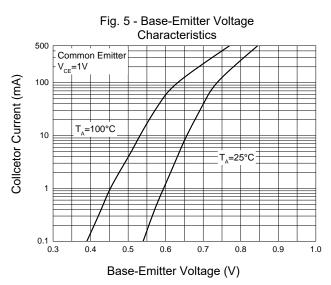
Rank	BC817-16	BC817-25	BC817-40
Range	100-250	160-400	250-600

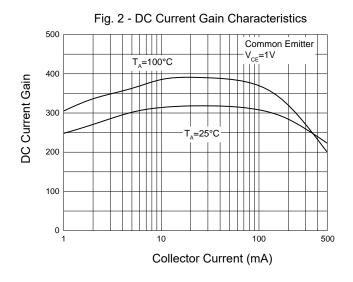


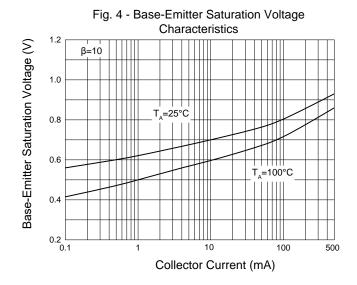
Curve Characteristics

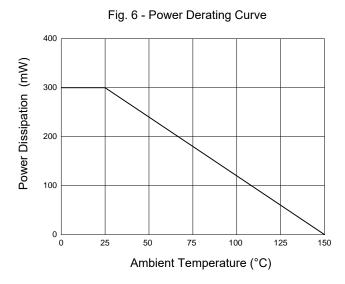












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Ordering Information

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

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