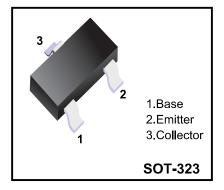


PNP Transistor

- Features
- Ldeally suited for automatic insertion
- Epitaxial planar die construction
- Complementary to BC817W



Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-50	V
V _{CEO}	Collector-Emitter Voltage	-45	V
V _{EBO}	Emitter-Base Voltage	-5	V
lc	Collector Current -Continuous	-0.5	А
Pc	Collector Power Dissipation	0.2	W
R _{0JA}	Thermal Resistance from Junction to Ambient	625	°C/W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~+150	°C

■ Absolute Maximum Ratings Ta = 25°C

■ Electrical Characteristics Ta = 25°C

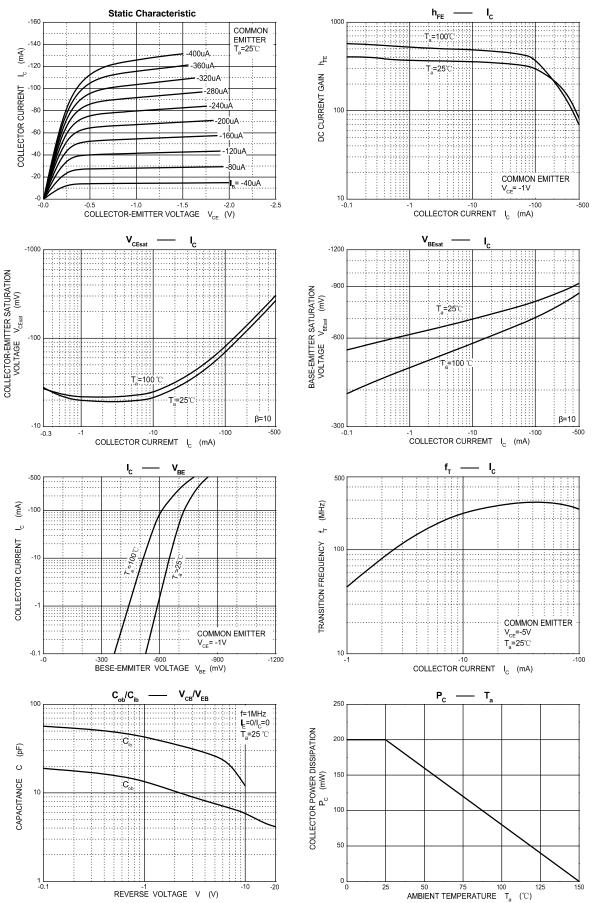
Parameter		Test conditions	Min	Мах	Unit
Collector-base breakdown voltage	V _{CBO}	I _C =-10μΑ,I _E =0 -50			V
Collector-emitter breakdown voltage	V _{CEO}	I _C =-10mA,I _B =0	-45		V
Emitter-base breakdown voltage	V _{EBO}	I _E =-1µA,I _C =0 -5			V
Collector cut-off current	I _{CBO}	V _{CB} =-20 V , I _E =0		-0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-5 V , I _C =0		-0.1	μA
	h _{FE(1)}	V _{CE} =–1V, I _C = -100mA	100	600	
DC current gain	h _{FE(2)}	V _{CE} =-1V,I _C = -500mA	40		
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-500mA,I _B =-50 mA		-0.7	V
Base-emitter voltage	V _{BE(on)}	V _{CE} = -1V, I _C = -500mA		-1.2	V
Transition frequency	f⊤	V _{CE} =-5 V, I _C = -10mA f=100MHz	80		MHz
Collector output capacitance	C _{ob}	V _{CB} =-10V,f=1MHz		10	pF

Classification of hFE (1)

Rank	BC807-16W	BC807-25W	BC807-40W
Range	100-250	160-400	250-600
Marking	5A	5B	5C



BC807W SOT-323



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Rev:BDQI

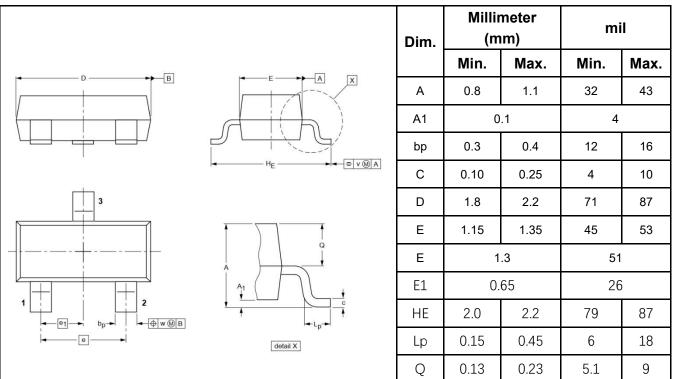


Ordering information

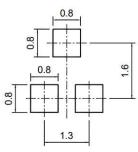
Package	Packing Description	Base Quantity	Packing Quantity
SOT-323	Tape/Reel,7"reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-323



The recommended mounting pad size



0.2

0.2

v W 8

8



Disclaimer

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