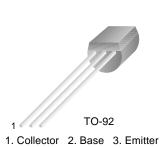


Classification В С А 110 ~ 220 200 ~ 450 420 ~ 800 h_{FE}

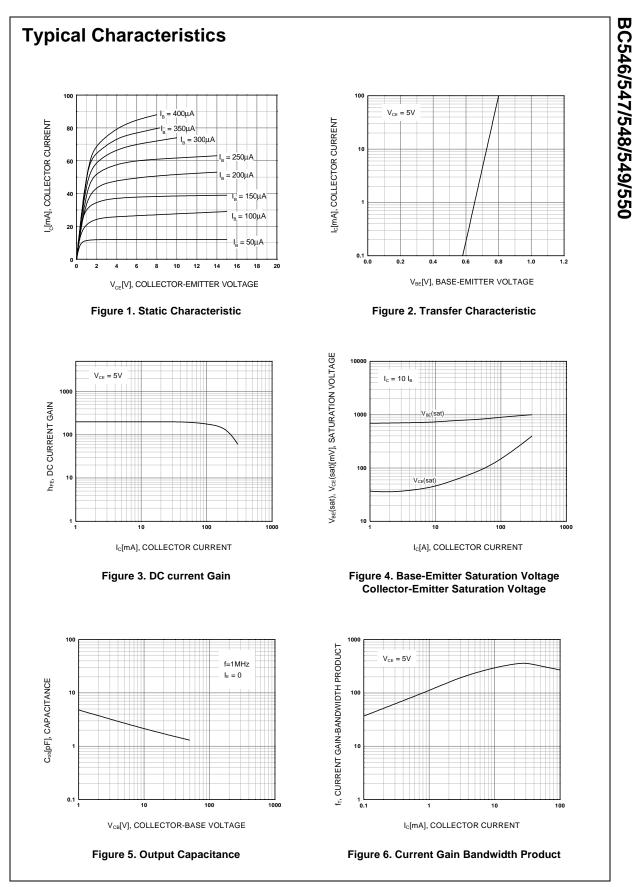
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Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage : BC546	80	V
020	: BC547/550	50	V
	: BC548/549	30	V
V _{CEO}	Collector-Emitter Voltage : BC546	65	V
	: BC547/550	45	V
	: BC548/549	30	V
V _{EBO}	Emitter-Base Voltage : BC546/547	6	V
	: BC548/549/550	5	V
I _C	Collector Current (DC)	100	mA
P _C	Collector Power Dissipation	500	mW
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-65 ~ 150	°C

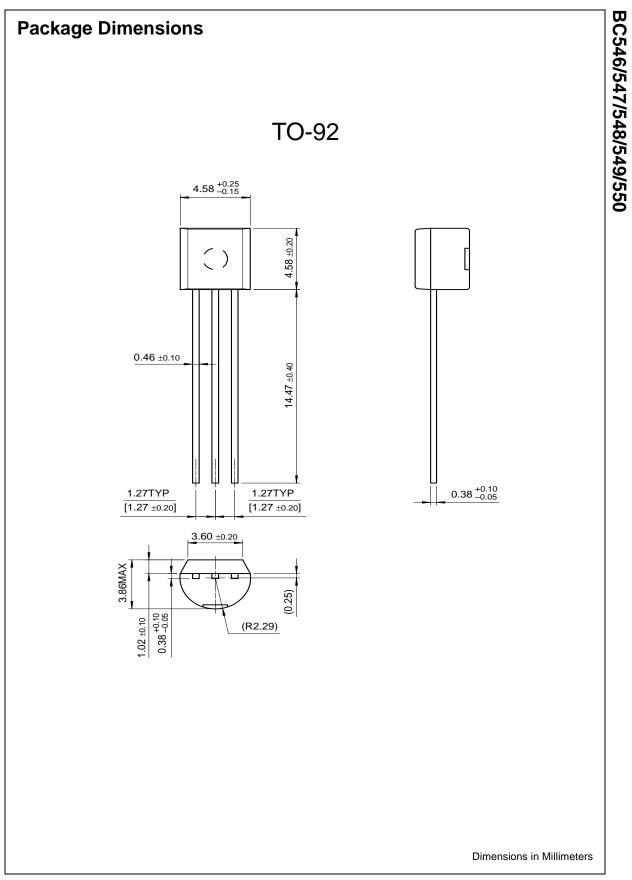
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} =30V, I _E =0			15	nA
h _{FE}	DC Current Gain	V _{CE} =5V, I _C =2mA	110		800	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =10mA, I _B =0.5mA I _C =100mA, I _B =5mA		90 200	250 600	mV mV
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C =10mA, I _B =0.5mA I _C =100mA, I _B =5mA		700 900		mV mV
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} =5V, I _C =2mA V _{CE} =5V, I _C =10mA	580	660	700 720	mV mV
f _T	Current Gain Bandwidth Product	V _{CE} =5V, I _C =10mA, f=100MHz		300		MHz
C _{ob}	Output Capacitance	V _{CB} =10V, I _E =0, f=1MHz		3.5	6	pF
C _{ob} C _{ib}	Input Capacitance	V _{EB} =0.5V, I _C =0, f=1MHz		9		pF
NF	Noise Figure : BC546/547/548 : BC549/550 : BC549	V _{CE} =5V, I _C =200μA f=1KHz, R _G =2KΩ V _{CE} =5V, I _C =200μA		2 1.2 1.4	10 4 4	dB dB dB
	: BC549	$R_{G}=2K\Omega$, f=30~15000MHz		1.4	3	dB

BC546/547/548/549/550



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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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