

Ordering Information

Part Number	Marking	Package	Packing Method	
BC556ABU	BC556A	TO-92 3L	Bulk	
BC556ATA	BC556A	TO-92 3L	Ammo	
BC556BTA	BC556B	TO-92 3L	Ammo	
BC556BTF	BC556B	TO-92 3L	Tape and Reel	
BC556BTFR	BC556B	TO-92 3L	Tape and Reel	
BC557ATA	BC557A	TO-92 3L	Ammo	
BC557BTA	BC557B	TO-92 3L	Ammo	
BC557BTF	BC557B	TO-92 3L	Tape and Reel	
BC558BTA	BC558B	TO-92 3L	Ammo	
BC559BTA	BC559B	TO-92 3L	Ammo	
BC559CTA	BC559C	TO-92 3L	Ammo	
BC560CTA	BC560C	TO-92 3L	Ammo	

1

BC556 / BC557 / BC558 / BC559 / BC560 — PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter		Value	Unit	
		BC556	-80		
V _{CBO}	Collector-Base Voltage	BC557 / BC560	-50	V	
		BC558 / BC559	-30		
V _{CEO} C		BC556	-65		
	Collector-Emitter Voltage	BC557 / BC560	-45	V	
		BC558 / BC559	-30		
V _{EBO}	Emitter-Base Voltage	-5	V		
۱ _C	Collector Current (DC)		-100	mA	
P _C	Collector Power Dissipation		500	mW	
TJ	Junction Temperature		150	°C	
T _{STG}	Storage Temperature Range		-65 to +150	°C	

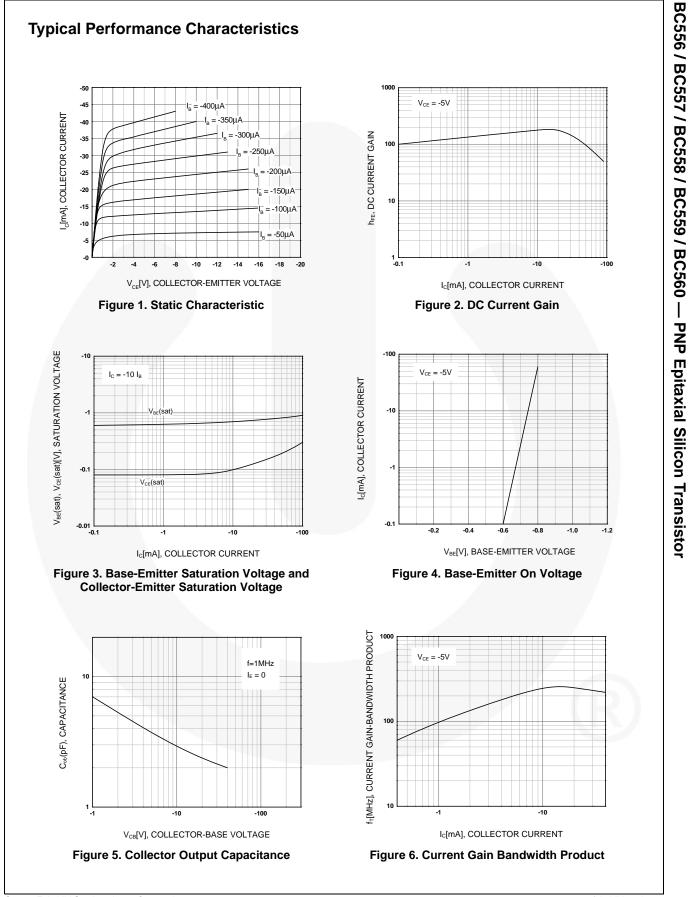
Electrical Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

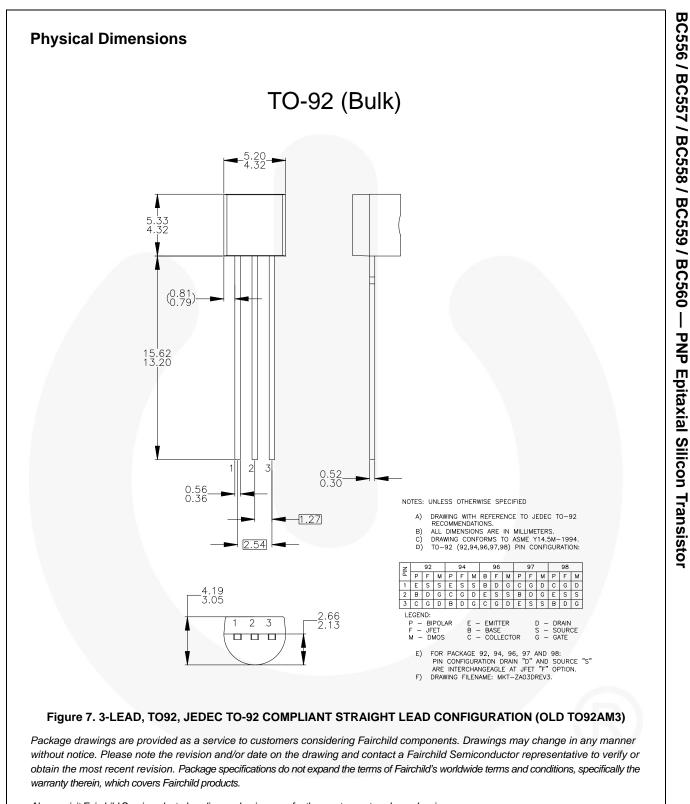
Symbol		Parameter	Conditions	Min.	Тур.	Max.	Unit
I _{CBO}	Collector Cut-Off Current		$V_{CB} = -30 \text{ V}, \text{ I}_{E} = 0$			-15	nA
h _{FE}	DC Current Gain		$V_{CE} = -5 \text{ V}, \text{ I}_{C} = -2 \text{ mA}$	110		800	
V (cot)	Collector-Emitter Saturation		I _C = -10 mA, I _B = -0.5 mA		-90	-300	m)/
V _{CE} (sat)	Voltage		$I_{\rm C} = -100$ mA, $I_{\rm B} = -5$ mA		-250	-650	mV
V (cot)	Colloctor	r-Base Saturation Voltage	$I_{C} = -10 \text{ mA}, I_{B} = -0.5 \text{ mA}$		-700		mV
V _{BE} (sat) Collector	-Dase Saturation voltage	I _C = -100 mA, I _B = -5 mA		-900			
$V_{(\alpha\alpha)}$	E(on) Base-Emitter On Voltage		$V_{CE} = -5 \text{ V}, \text{ I}_{C} = -2 \text{ mA}$	-600	-600 -660	-750	mV
VBE(OII)			V _{CE} = -5 V, I _C = -10 mA			-800	
f _T	Current Gain Bandwidth Product		$V_{CE} = -5 \text{ V}, \text{ I}_{C} = -10 \text{ mA},$ f = 10 MHz		150		MHz
C _{ob}	Output Capacitance		V _{CB} = -10 V, I _E = 0, f = 1 MHz			6	pF
	BC556 / BC557 / BC558	V _{CE} = -5 V, I _C = -200 μA,		2	10		
NE	NF Noise Figure	BC559 / BC560	f = 1 kHz, $R_G = 2 k\Omega$		1	4	dB
INF		BC559	V _{CE} = -5 V, I _C = -200 μA,		1.2	4.0	
		BC560	$R_{G} = 2 k\Omega, f = 30 \text{ to } 15000 \text{ MHz}$		1.2	2.0	

h_{FE} Classification

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

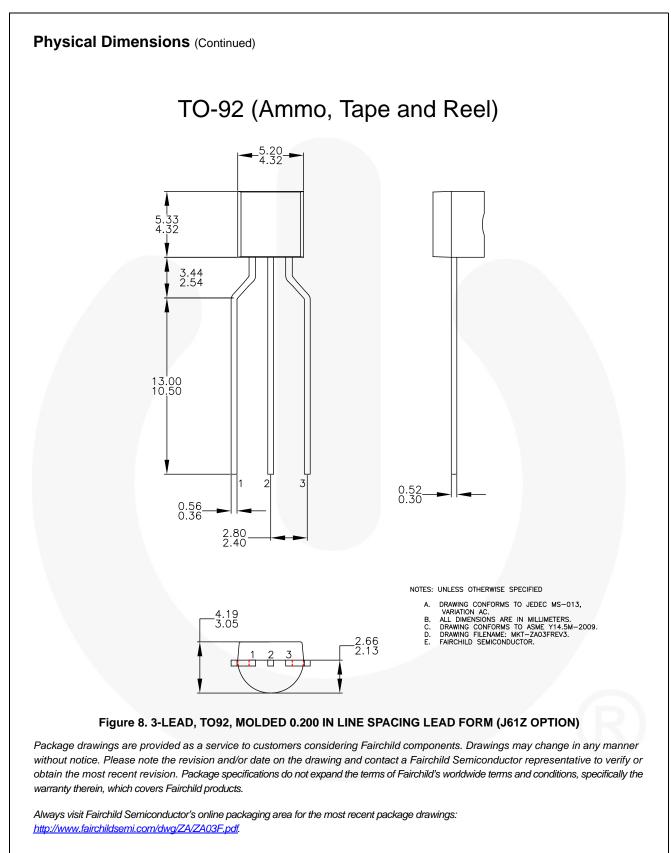


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