BC556/557/558/559/560

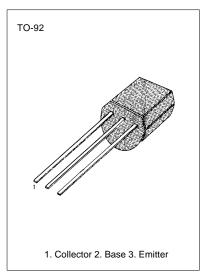
PNP EPITAXIAL SILICON TRANSISTOR

SWITCHING AND AMPLIFIER

- HIGH VOLTAGE: BC556, V_{CEO}= -65V
- LOW NOISE: BC559, BC560
- Complement to BC546 ... BC 550

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Capacitance : BC556 : BC557/560 : BC558/559 Collector-Emitter Voltage : BC556 : BC556 : BC557/560 : BC558/559 Emitter-Base Voltage Collector Current (DC) Collector Dissipation Junction Temperature Storage Temperature	V _{CEO} V _{EBO} Ic Pc TJ TSTG	-80 -50 -30 -65 -45 -30 -5 -100 500 150 -65 ~ 150	∨ ∨ ∨ ∨ ₩ ₩ ₩ °C °C



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Chara	cteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector Cut-off Cu DC Current Gain Collector Emitter Sa Collector Base Satu Base Emitter On Vo Current Gain Bandw	ituration Voltage ration Voltage Itage		$\begin{array}{l} V_{CB} = -30V, \ I_E = 0 \\ V_{CE} = -5V, \ I_C = 2mA \\ I_C = -10mA, \ I_B = -0.5mA \\ I_C = -100mA, \ I_B = -5mA \\ I_C = -10mA, \ I_B = -0.5mA \\ I_C = -100mA, \ I_B = -5mA \\ V_{CE} = -5V, \ I_C = -2mA \\ V_{CE} = -5V, \ I_C = -10mA \\ V_{CE} = -5V, \ I_C = -10mA \end{array}$	-600	-90 -250 -700 -900 -660 150	-15 800 -300 -650 -750 -800	nA mV mV mV mV mV MHz
Collector Base Cap Noise Figure	acitance : BC556/557/558 : BC559/560 : BC559 : BC560	C _{CBO} NF NF	$\begin{array}{l} V_{CB} = -10V, \ f = 1MHz \\ V_{CE} = -5V, \ I_{C} = -200 \mu A \\ f = 1KHz, \ R_{G} = 2K\Omega \\ V_{CE} = -5V, \ I_{C} = -200 \mu A \\ R_{G} = 2K\Omega \\ f = 30 \sim 15000MHz \end{array}$		2 1 1.2 1.2	6 10 4 4 2	pF dB dB dB dB

h_{FE} CLASSIFICATION

Classification	Α	в	С
h _{FE}	110-220	200-450	420-800



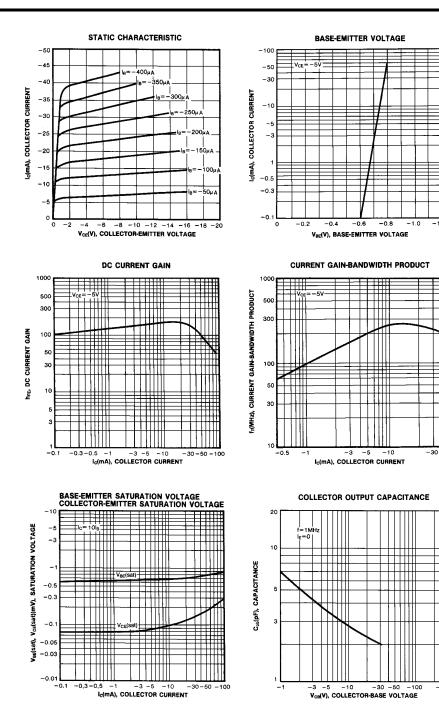
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BC556/557/558/559/560

PNP EPITAXIAL SILICON TRANSISTOR

-1.2

- 300



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Definition of Terms

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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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