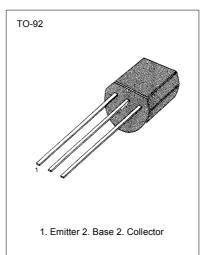
PNP EPITAXIAL SILICON TRANSISTOR

LOW FREQUENCY AMPLIFIER

• Collector-Base Voltage V_{CBO}= -60V • Complement to KSC945

ABSOLUTE MAXIMUM RATINGS (T_A =25 $^\circ \!\! C$)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Collector Dissipation Junction Temperature Storage Temperature	$\begin{array}{c} V_{\text{CBO}} \\ V_{\text{CEO}} \\ V_{\text{EBO}} \\ I_{\text{C}} \\ P_{\text{C}} \\ T_{\text{J}} \\ T_{\text{STG}} \end{array}$	-60 -50 -5 -150 250 150 -55 ~ 150	V V mA mW ິ ເ



ELECTRICAL CHARACTERISTICS (T_A=25°C)

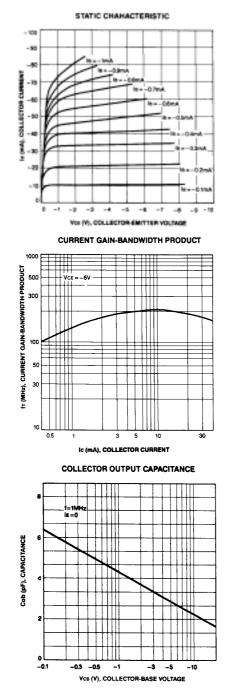
Characteristic	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector-Base Breakdown Voltage Collector-Emitter Breakdown Voltage Emitter-Base Breakdown Voltage Collector Cut-off Current Emitter Cut-off Current DC Current Gain Collector-Emitter Saturation Voltage Base-Emitter On Voltage Current Gain-Bandwidth Product Output Capacitance Noise Figure	$\begin{array}{l} BV_{\text{CBO}}\\ BV_{\text{CEO}}\\ BV_{\text{EBO}}\\ I_{\text{CBO}}\\ I_{\text{EBO}}\\ h_{\text{FE}}\\ V_{\text{CE}}\left(\text{sat}\right)\\ V_{\text{CE}}\left(\text{on}\right)\\ f_{\text{T}}\\ C_{\text{OB}}\\ NF \end{array}$	$\begin{split} I_{c} &= -100 \ / \ / A, \ I_{E} &= 0 \\ I_{c} &= -10 \ / \ A, \ I_{c} &= 0 \\ I_{E} &= -10 \ / \ A, \ I_{c} &= 0 \\ V_{cB} &= -25 \ V, \ I_{c} &= 0 \\ V_{cB} &= -3 \ V, \ I_{c} &= 0 \\ V_{cE} &= -6 \ V, \ I_{c} &= -1 \ MA \\ I_{c} &= -20 \ M, \ I_{B} &= -2 \ MA \\ V_{cE} &= -6 \ V, \ I_{c} &= -1 \ MA \\ V_{cE} &= -6 \ V, \ I_{c} &= -10 \ MA \\ V_{cB} &= -10 \ V, \ I_{E} &= 0 \\ f &= 1 \ MHz \\ V_{cE} &= -6 \ V, \ I_{c} &= -0.3 \ MA \\ f &= 1 \ MHz, \ Rs &= 10 \ K \end{split}$	-60 -50 - 5 40 -0.50 50	-0.18 -0.62 180 2.8 6.0	-100 -100 700 -0.3 -0.80 20	∨ > > nA nA > > Hz Pf dB

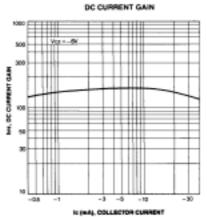
h_{FE} CLASSIFICATION

Classification	R	0	Y	G	L
h _{FE}	40-80	70-140	120-240	200-400	350-700

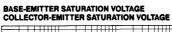


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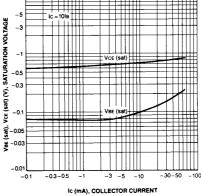








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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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