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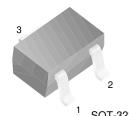
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FJX1182

Low Frequency Power Amplifier



1. Base 2. Emitter 3. Collector

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_a =25°C unless otherwise noted

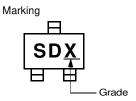
Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	-35	V
V_{CEO}	Collector-Emitter Voltage	-30	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current	-500	mA
P _C	Collector Power Dissipation	150	mW
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

Electrical Characteristics T_a =25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} = -35, I _E =0			-0.1	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			-0.1	μΑ
h _{FE1}	DC Current Gain	$V_{CE} = -1V, I_{C} = -100 \text{mA}$	70		240	
h _{FE2}		$V_{CE} = -6V, I_{C} = -400 \text{mA}$	25			
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -100mA, I _B = -10mA		-0.1	-0.25	V
V _{BE} (on)	Base-Emitter On Voltage	I _C = -100mA, V _{CE} = -1V		-0.8	-1.0	V
f _T	Current Gain Bandwidth Product	I _C = -20mA, V _{CE} = -6V		200		MHz
C _{ob}	Output Capacitance	V _{CB} = -6V, I _E = 0 f=1MHz		13		pF

$h_{\mbox{\scriptsize FE}}$ Classification

Classification	0	Υ	
h _{FE1}	70 ~ 140	120 ~ 240	



Typical Characteristics

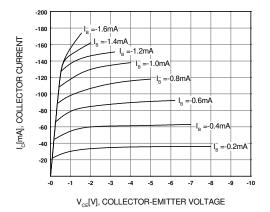


Figure 1. Static Characteristic

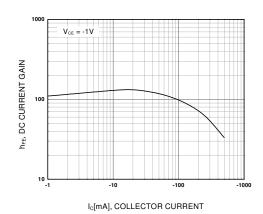


Figure 2. DC current Gain

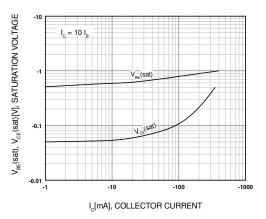


Figure 3. Base-Emitter Saturation Voltage Collector-Emitter Saturation Voltage

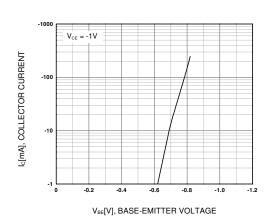


Figure 4. Base-Emitter On Voltage

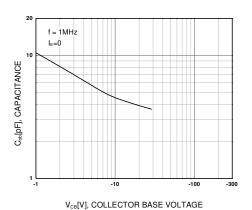
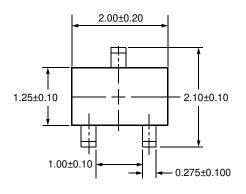


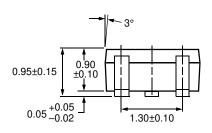
Figure 5. Collector Output Capacitance

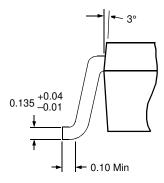
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Package Dimensions

SOT-323







Dimensions in Millimeters

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Rev. I1

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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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