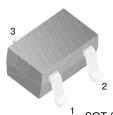
FJX733

FAIRCHILD

SEMICONDUCTOR®

FJX733

Low Frequency Amplifier Collector-Base Voltage V_{CBO}= -60V Complement to FJX945



SOT-323 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	-60	V	
V _{CEO}	Collector-Emitter Voltage	-50	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
с	Collector Current	-150	mA	
Pc	Collector Power Dissipation	200	mW	
Гј	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	-55 ~ 150	°C	

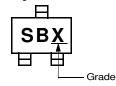
Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

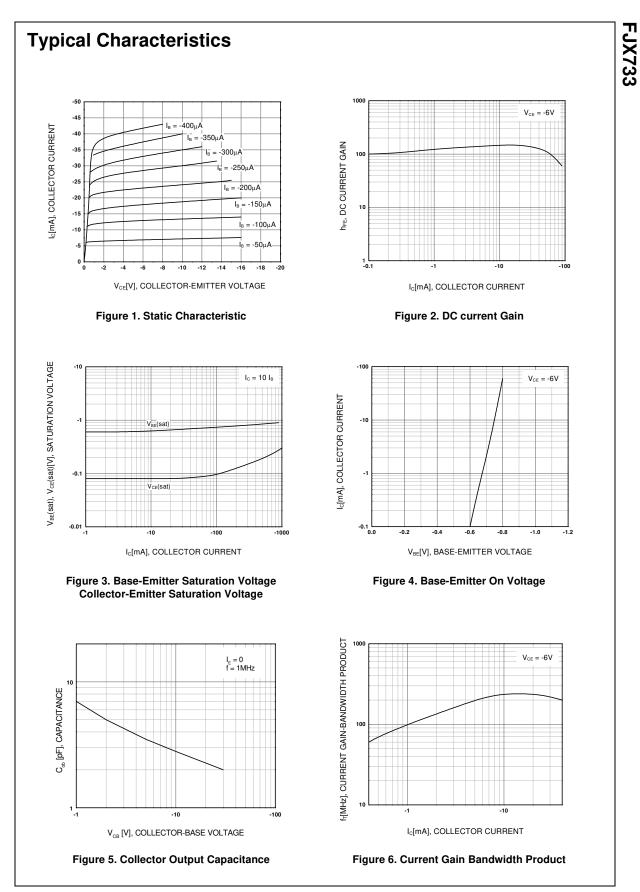
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -100, I _E =0	-60			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA. I _B =0	-50			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10. I _C =0	- 5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -25V, I _E =0			-100	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -3V, I _C =0			-100	nA
h _{FE}	DC Current Gain	V _{CE} = -6V, I _C = -1mA	40		700	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -100mA, I _B = -10mA		-0.18	-0.3	V
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} = -6V, I _C = -1mA	-0.50	-0.62	-0.80	V
f _T	Current Gain Bandwidth Product	V _{CE} = -6V, I _C = -10mA	50	180		MHz
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E = 0 f=1MHz		2.8		pF
NF	Noise Figure	V _{CE} = -6V, I _C = -0.3mA f=1MHz, Rs=10K		6.0	20	dB

h_{FE} Classification

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

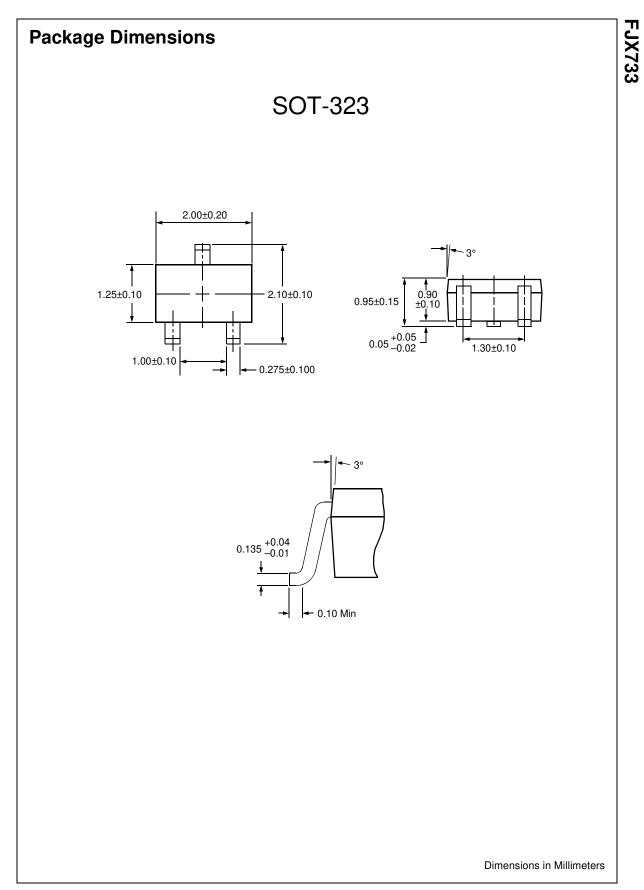
Marking





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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

PRODUCT STATUS DEFINITIONS

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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