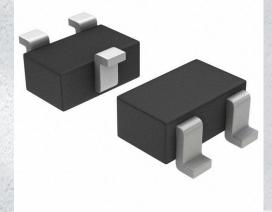


FJX945GTF Datasheet

www.digi-electronics.com



DiGi Electronics Part Number	FJX945GTF-DG
Manufacturer	onsemi
Manufacturer Product Number	FJX945GTF
Description	TRANS NPN 50V 0.15A SOT323
Detailed Description	Bipolar (BJT) Transistor NPN 50 V 150 mA 300MHz 2 00 mW Surface Mount SOT-323

https://www.DiGi-Electronics.com



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
FJX945GTF	onsemi
Series:	Product Status:
	Obsolete
Transistor Type:	Current - Collector (Ic) (Max):
NPN	150 mA
Voltage - Collector Emitter Breakdown (Max):	Vce Saturation (Max) @ lb, lc:
50 V	300mV @ 10mA, 100mA
Current - Collector Cutoff (Max):	DC Current Gain (hFE) (Min) @ lc, Vce:
100nA (ICBO)	200 @ 1mA, 6V
Power - Max:	Frequency - Transition:
200 mW	300MHz
Operating Temperature:	Mounting Type:
150°C (TJ)	Surface Mount
Package / Case:	Supplier Device Package:
SC-70, SOT-323	SOT-323
Base Product Number:	
FJX945	

Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8541.21.0075	



Is Now Part of

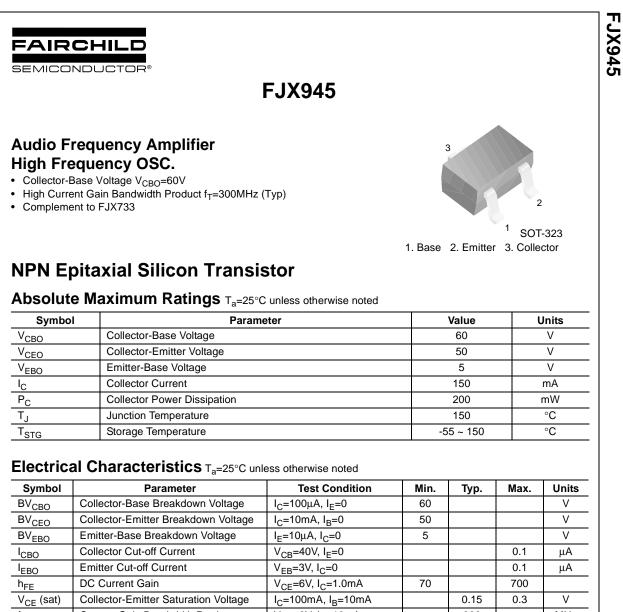


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Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.

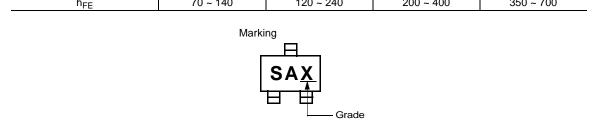
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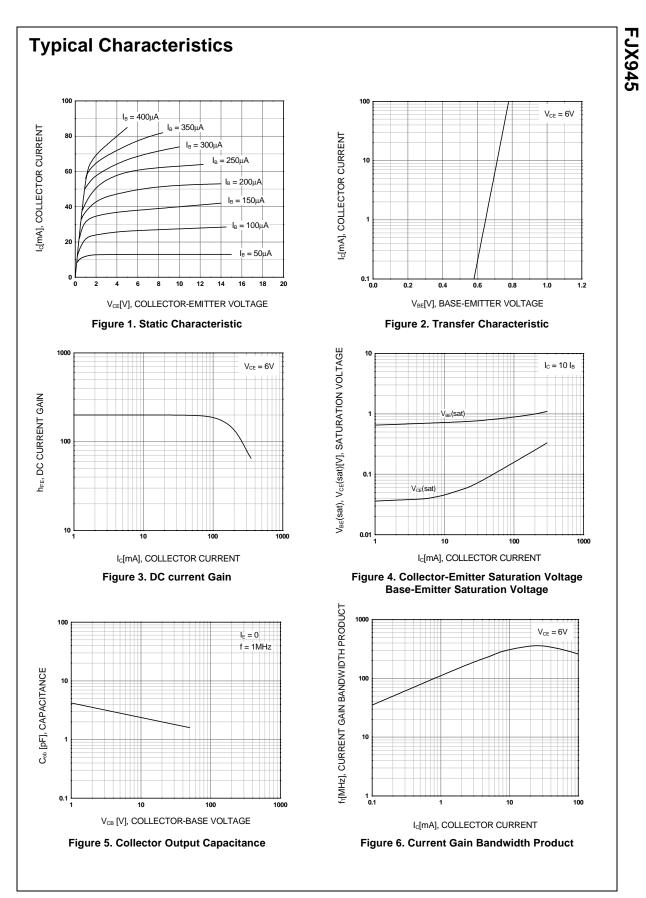


Symbol	Parameter	Test Condition	wiin.	тур.	wax.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C =100μA, I _E =0	60			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =10mA, I _B =0	50			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E =10μΑ, I _C =0	5			V
I _{CBO}	Collector Cut-off Current	V _{CB} =40V, I _E =0			0.1	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} =3V, I _C =0			0.1	μΑ
h _{FE}	DC Current Gain	V _{CE} =6V, I _C =1.0mA	70		700	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =100mA, I _B =10mA		0.15	0.3	V
f _T	Current Gain Bandwidth Product	V _{CE} =6V, I _C =10mA		300		MHz
C _{ob}	Output Capacitance	V _{CB} =6V, I _E =0 f=1MHz		2.5		pF
NF	Noise Figure	V _{CE} =6V, I _E = -0.5mA f=1KHz, R _S =500Ω		4.0		dB

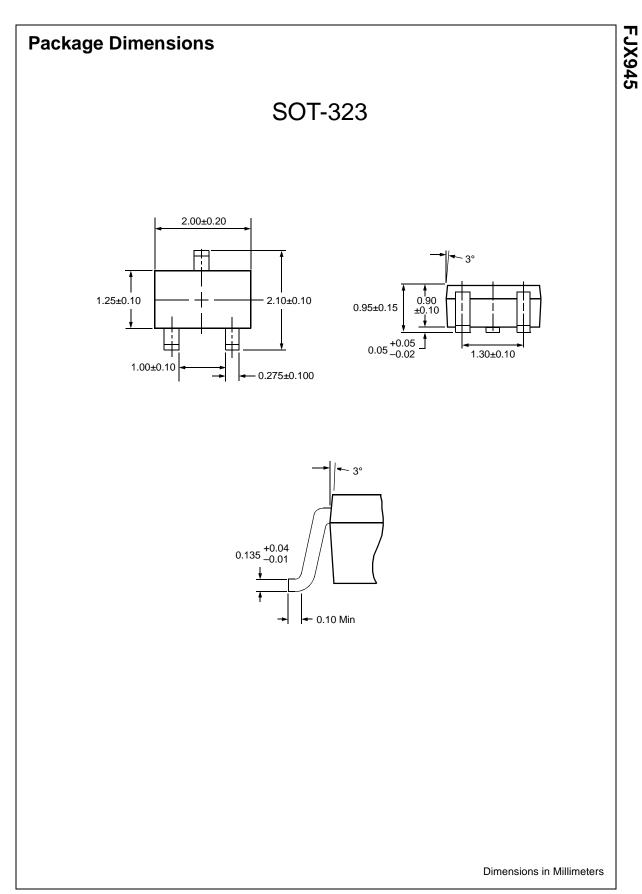
h_{FE} Classification

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





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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.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.

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