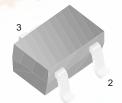


FJX4009R

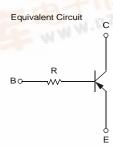
Switching Application (Bias Resistor Built In)

- Switching circuit, Inverter, Interface circuit, Driver Circuit WWW.DZSG.COM
- Built in bias Resistor (R=4.7KΩ)
- Complement to FJX3009R



SOT-323 1. Base 2. Emitter 3. Collector





PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings Ta=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-40	V
V _{CEO}	Collector-Emitter Voltage	-40	V
V _{EBO}	Emitter-Base Voltage	-5	V
lc	Collector Current	-100	mA
°c	Collector Power Dissipation	200	mW
Γ _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
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -100μA, I _E =0	-40			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	$I_C = -1 \text{mA}, I_B = 0$	-40		-W	V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -30V, I_{E} = 0$			-0.1	μΑ
h _{FE}	DC Current Gain	V_{CE} = -5V, I_{C} = -1mA	100	W.W.	600	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	$I_C = -10 \text{mA}, I_B = -1 \text{mA}$			-0.3	V
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0 f=1MHz		5.5		pF
f _T	Current Gain Bandwidth Product	V_{CE} = -10V, I_{C} = -5mA		200		MHz
R	Input Resistor		3.2	4.7	6.2	ΚΩ

Typical Characteristics

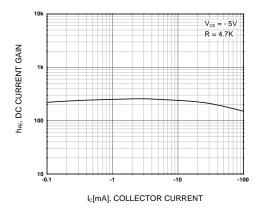


Figure 1. DC current Gain

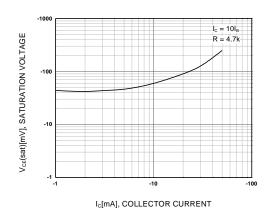


Figure 2. Collector-Emitter Saturation Voltage

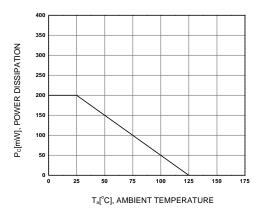
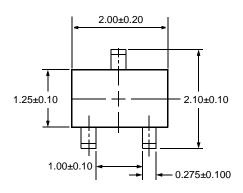


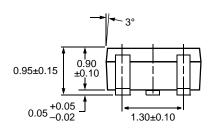
Figure 3. Power Derating

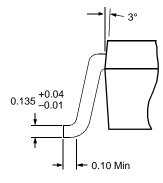
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Package Dimensions

SOT-323







Dimensions in Millimeters

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CROSSVOLT™	FRFET™	MicroPak™	QFET™	SuperSOT™-8
DOME™	GlobalOptoisolator™	MICROWIRE™	QS^{TM}	SyncFET™
EcoSPARK™	GTO™	MSX™	QT Optoelectronics™	TinyLogic™
E ² CMOS™	HiSeC™	MSXPro™	Quiet Series™	TruTranslation™
EnSigna™	I^2C^{TM}	OCX^{TM}	RapidConfigure™	UHC™ _
Across the board.	. Around the world.™	OCXPro™	RapidConnect™	UltraFET [®]
The Power Franc	hise™	OPTOLOGIC [®]	SILENT SWITCHER®	VCX™
Programmable Ad	ctive Droop™	OPTOPLANAR™	SMART START™	

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