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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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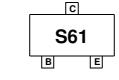


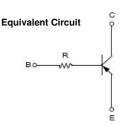
FJY4011R PNP Epitaxial Silicon Transistor

Features

- · Switching circuit, Inverter, Interface circuit, Driver Circuit
- Built in bias Resistor (R=22KΩ)
- · Complement to FJY3011R







Absolute Maximum Ratings * T_a = 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
I _C	Collector Current	-100	mA
T _{STG}	Storage Temperature Range	-55~150	°C
T _J	Junction Temperature	150	°C
P _C	Collector Power Dissipation, by R _{0JA}	200	mW

^{*} These ratings are limiting values above which the serviceability of any semiconductor device may by impaired.

Thermal Characteristics* Ta=25°C unless otherwise noted

R _{θJA} Thermal Resistance, Junction to Ambient 600 °C/W	Symbol	Parameter	Max	Units
0071	°C/W			

Electrical Characteristics* T_C = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	MIN	Тур	MAX	Units
V _{(BR)CBO}	Collector-Emitter Breakdown Voltage	Ic = -100 uA, IE = 0	-40			٧
V _{(BR)CEO}	Collector-Base Breakdown Voltage	$I_C = -1 \text{mA}, \ I_B = 0$	-40			٧
Ісво	Collector-Cutoff Current	Vcb = -30 V, IE = 0			-0.1	uA
hfE	DC Current Gain	Vce = -5 V, Ic = -1 mA	100		600	
V _{CE(sat)}	Collector-Emitter Saturation Voltage	Ic = -10 mA, I _B = -1 mA			-0.3	V
f⊤	Current Gain - Bandwidth Product	Vce = -10V, Ic =- 5 mA		200		MHz
Ccb	Output Capacitance	V _{CB} = -10 V, I _E = 0, f = 1.0 MHz		5.5		pF
R	Input Resistor		15	22	29	ΚΩ

^{*} Pulse Test: PW≤300μs, Duty Cycle≤2%

Typical Performance Characteristics

Figure 1. DC current Gain

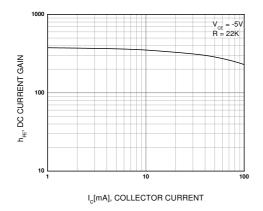


Figure 2. Collector-Emitter Saturation Voltage

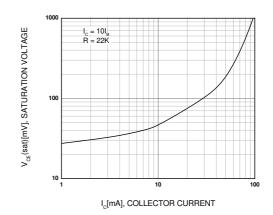
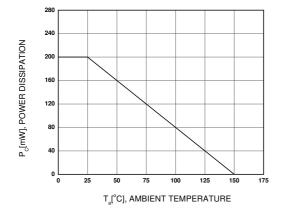
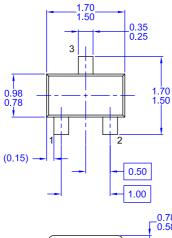


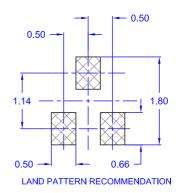
Figure 3. Power Derating

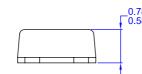


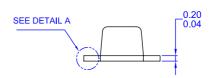
Package Dimensions

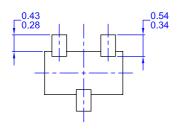
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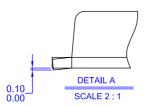












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- B) ALL DIMENSIONS ARE IN MILLIMETERS.
 C) DIMENSIONS ARE EXCLUSIVE OF BURRS,
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Dimensions in Millimeters





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