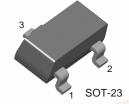


FJV4114R

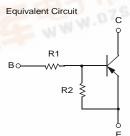
Switching Application (Bias Resistor Built In)

- Switching circuit, Inverter, Interface circuit, Driver Circuit
- Built in bias Resistor ($R_1 = 4.7K\Omega$, $R_2 = 47K\Omega$)
- Complement to FJV3114R



1. Base 2. Emitter 3. Collector





PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings Ta=25°C unless otherwise noted

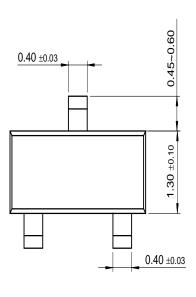
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-50	V
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{EBO}	Emitter-Base Voltage	-10	V
С	Collector Current	-100	mA
Pc	Collector Power Dissipation	200	mW
ТЈ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

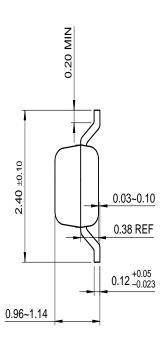
Electrical Characteristics Ta=25°C unless otherwise noted

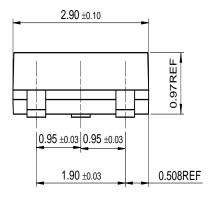
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	$I_{C} = -10\mu A, I_{E} = 0$	-50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	$I_C = -100 \mu A, I_B = 0$	-50	da-		V
I _{CBO}	Collector Cutoff Current	V _{CB} = -40V, I _E =0			-0.1	μΑ
h _{FE}	DC Current Gain	$V_{CE} = -5V$, $I_{C} = -5mA$	68	W. T.		
V _{CE} (sat)	Collector-Emitter Saturation Voltage	$I_{C} = -10 \text{mA}, I_{B} = -0.5 \text{mA}$			-0.3	V
f _T	Current Gain Bandwidth Product	V _{CE} = -10V, I _C =-5mA		200		MHz
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0 f=1.0MHz		5.5		pF
V _I (off)	Input Off Voltage	V_{CE} = -5V, I_{C} = -100 μ A	-0.5			V
V _I (on)	Input On Voltage	V_{CE} = -0.2V, I_{C} = -5mA			-1.3	V
R ₁	Input Resistor		3.2	4.7	6.2	ΚΩ
R ₁ /R ₂	Resistor Ratio		0.09	0.1	0.11	

Package Dimensions

SOT-23







Dimensions in Millimeters

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EnSigna™	I^2C^{TM}	OCX^{TM}	RapidConfigure™	UHC™ _
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Programmable Active Droop™		OPTOPLANAR™	SMART START™	

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