

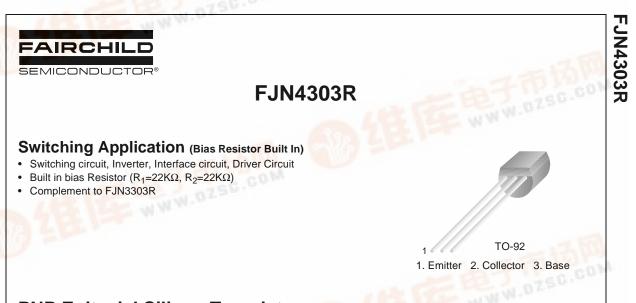


Equivalent Circuit

Bo

R1

R2



# **PNP Epitaxial Silicon Transistor**

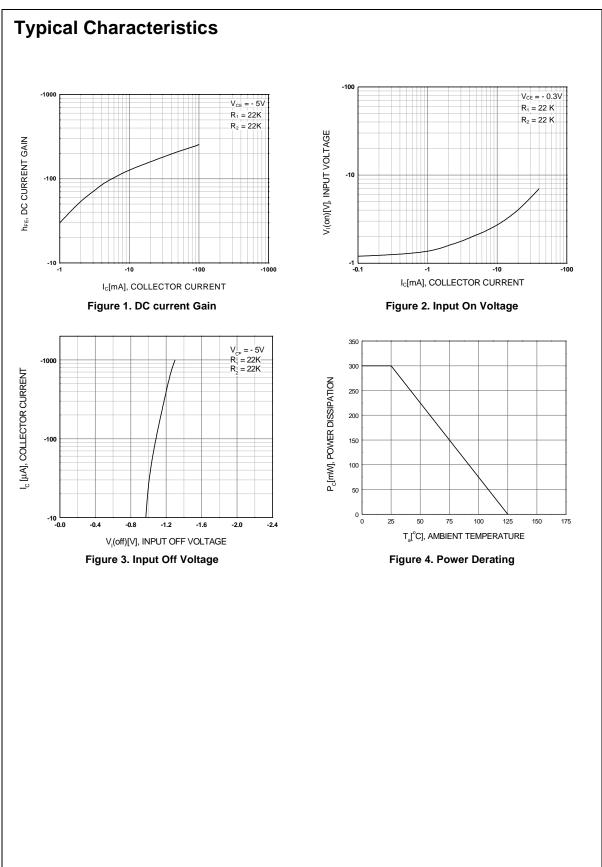
## Absolute Maximum Ratings Ta=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V <sub>CBO</sub>	Collector-Base Voltage	-50	V
V <sub>CEO</sub>	Collector-Emitter Voltage	-50	V
V <sub>EBO</sub>	Emitter-Base Voltage	-10	V
IC	Collector Current	-100	mA
P <sub>C</sub>	Collector Power Dissipation	300	mW
TJ	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	-55 ~ 150	°C

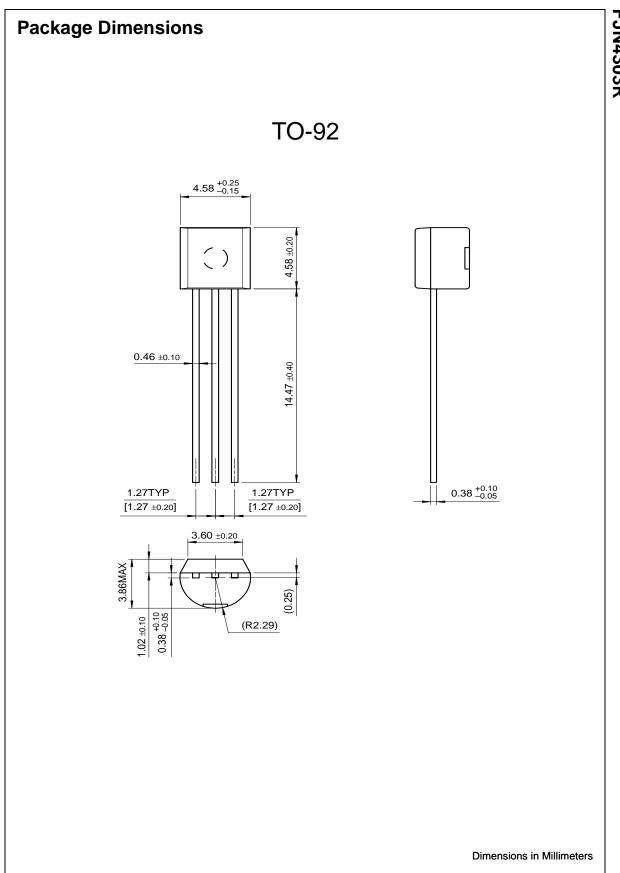
## Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV <sub>CBO</sub>	Collector-Base Breakdown Voltage	I <sub>C</sub> = -10μΑ, I <sub>E</sub> =0	-50			V
BV <sub>CEO</sub>	Collector-Emitter Breakdown Voltage	I <sub>C</sub> = -100μA, I <sub>B</sub> =0	-50			V
I <sub>CBO</sub>	Collector Cut-off Current	V <sub>CB</sub> = -40V, I <sub>E</sub> =0			-0.1	μΑ
h <sub>FE</sub>	DC Current Gain	V <sub>CE</sub> = -5V, I <sub>C</sub> = -5mA	56			
V <sub>CE</sub> (sat)	Collector-Emitter Saturation Voltage	I <sub>C</sub> = -10mA, I <sub>B</sub> = -0.5mA			-0.3	V
f <sub>T</sub>	Current Gain Bandwidth Product	V <sub>CE</sub> = -10V, I <sub>C</sub> = -5mA		200	1-54	MHz
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = -10V, I <sub>E</sub> =0 f=1.0MHz	1	5.5	OZ	pF
V <sub>I</sub> (off)	Input Off Voltage	V <sub>CE</sub> = -5V, I <sub>C</sub> = -100μA	-0.5	WW.		V
V <sub>I</sub> (on)	Input On Voltage	V <sub>CE</sub> = -0.3V, I <sub>C</sub> = -5mA			-3.0	V
R <sub>1</sub>	Input Resistor		15	22	29	KΩ
$R_1/R_2$	Resistor Ratio		0.9	1	1.1	





# FJN4303R



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