

PNP Epitaxial Silicon Transistor

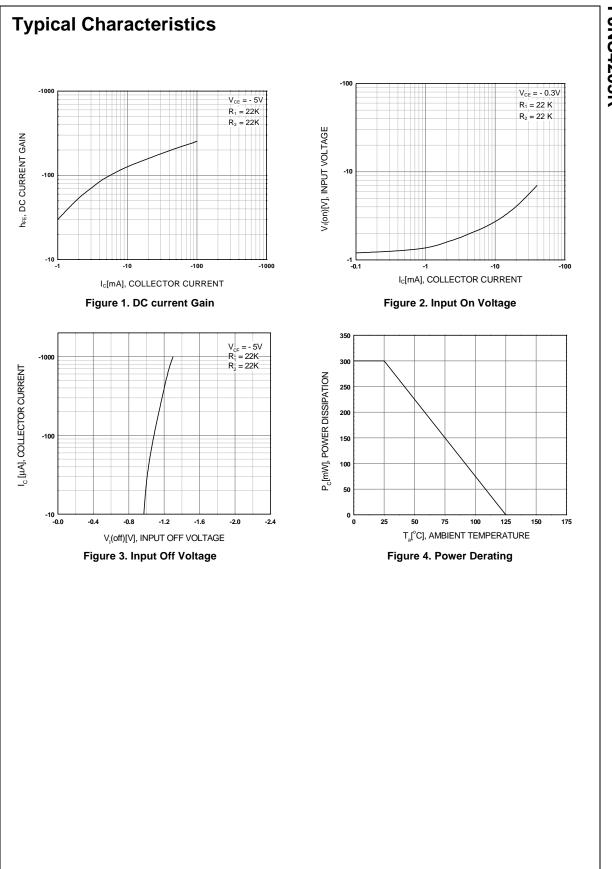
Absolute Maximum Ratings T_a=25°C unless otherwise noted

Symbol	Parameter	Value	Units	Equivalent Circuit
V _{CBO}	Collector-Base Voltage	-50	V	_
V _{CEO}	Collector-Emitter Voltage	-50	V	– R1 .
V _{EBO}	Emitter-Base Voltage	-10	V	вок
I _C	Collector Current	-100	mA	- Į I▼
P _C	Collector Power Dissipation	300	mW	− R2 Š
Т _Ј	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	-55 ~ 150	۵°	_

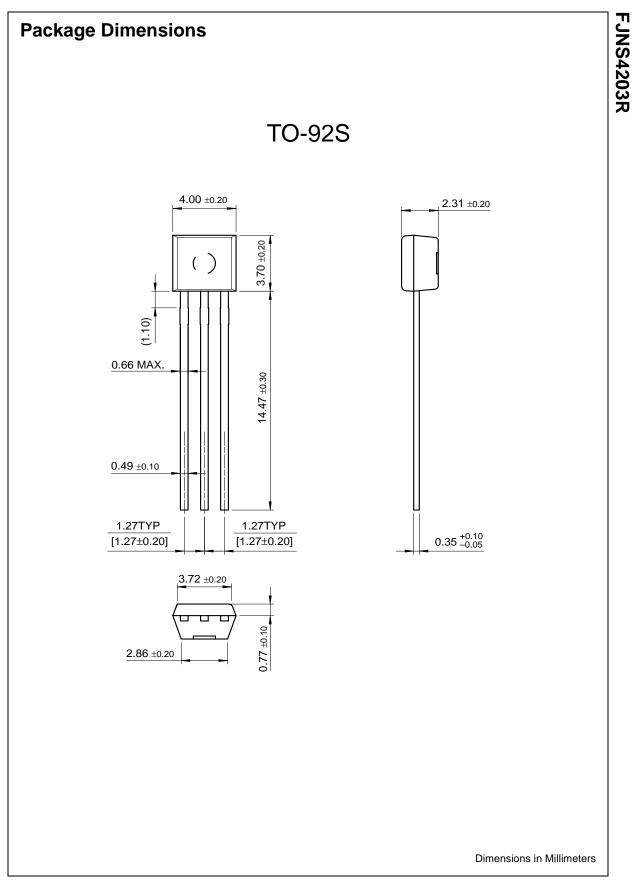
Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -10μA, I _E =0	-50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -100μA, I _B =0	-50			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -40V, I _E =0			-0.1	μA
h _{FE}	DC Current Gain	V _{CE} = -5V, I _C = -5mA	56			
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -10mA, I _B = -0.5mA			-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 = -100μA	-0.5			V
V _I (on)	Input On Voltage	V _{CE} = -0.3V, I _C = -5mA			-3.0	V
R ₁	Input Resistor		15	22	29	KΩ
R_1/R_2	Resistor Ratio		0.9	1	1.1	

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