imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

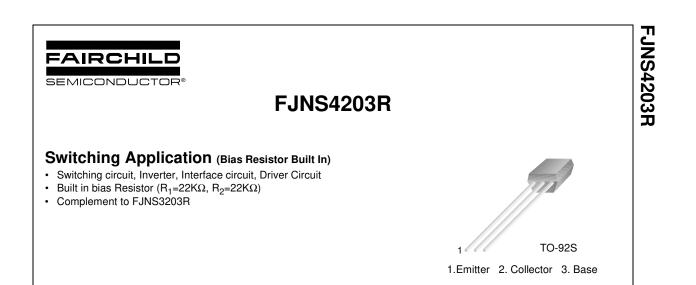
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_a=25^{\circ}C$ unless otherwise noted

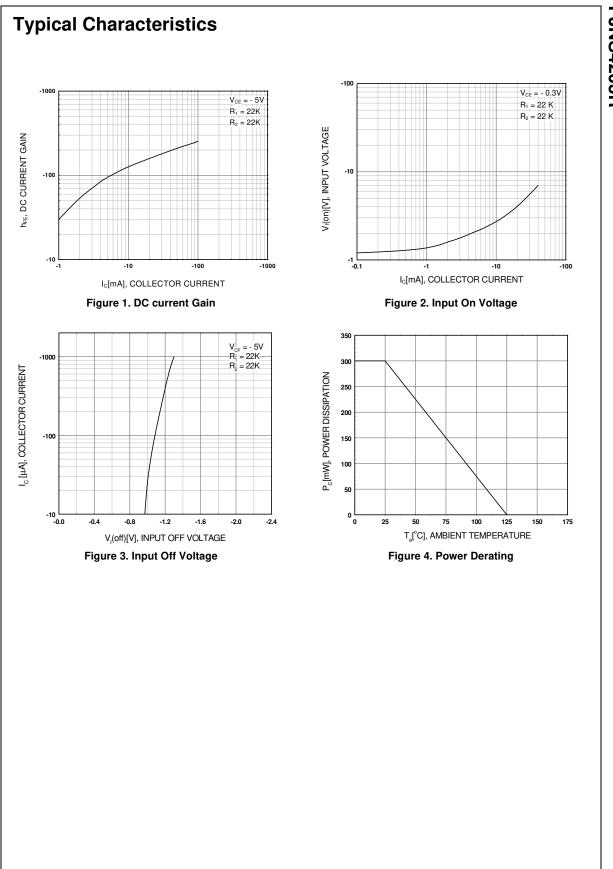
Symbol	Parameter	Value	Units	Equivalent Circuit	
V _{CBO}	Collector-Base Voltage	-50	V	_	Ċ
V _{CEO}	Collector-Emitter Voltage	-50	V	– R1	
V _{EBO}	Emitter-Base Voltage	-10	V	Bo	-
Ι _C	Collector Current	-100	mA	- Į	
P _C	Collector Power Dissipation	300	mW		
ТJ	Junction Temperature	150	°C	-	
T _{STG}	Storage Temperature	-55 ~ 150	°C	_	C

Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

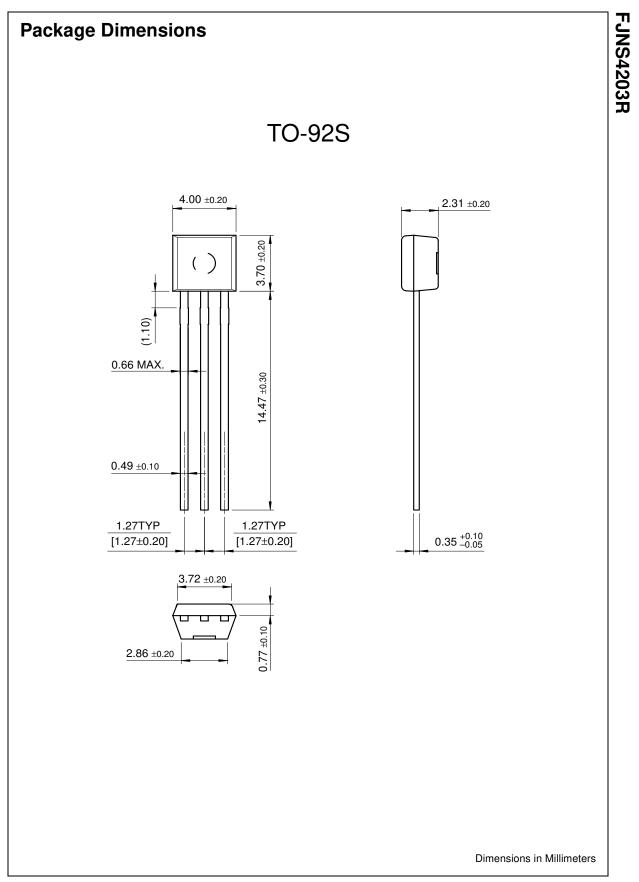
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -10μΑ, I _E =0	-50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -100μA, I _B =0	-50			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -40V, I _E =0			-0.1	μA
h _{FE}	DC Current Gain	V _{CE} = -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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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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