

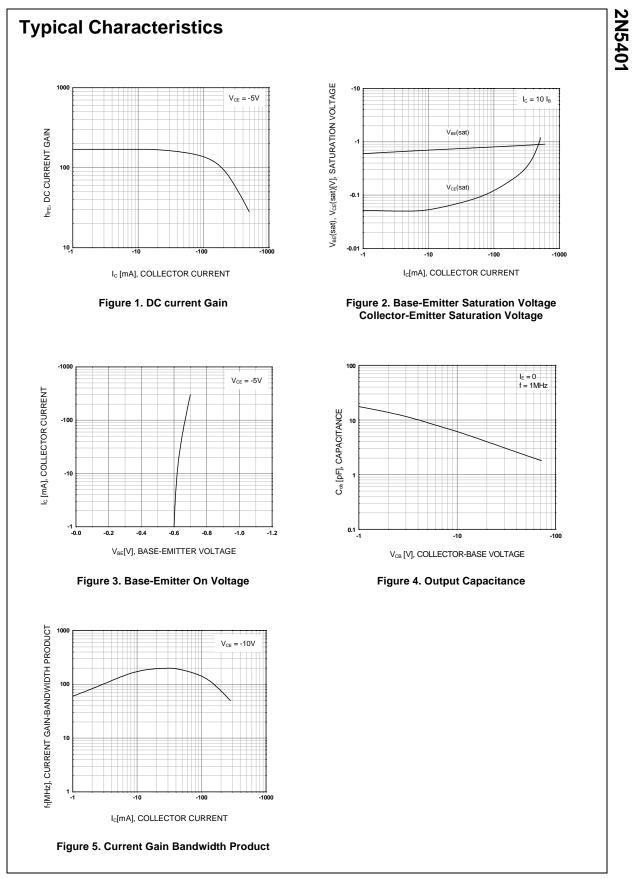
Symbol	Parameter	Value	Units
V <sub>CBO</sub>	Collector-Base Voltage	-160	V
V <sub>CEO</sub>	Collector-Emitter Voltage	-150	V
V <sub>EBO</sub>	Emitter-Base Voltage	-5	V
I <sub>C</sub>	Collector Current	-600	mA
P <sub>C</sub>	Collector Dissipation	625	mW
TJ	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	-55 ~ 150	°C

# Electrical Characteristics T<sub>a</sub>=25°C unless otherwise noted

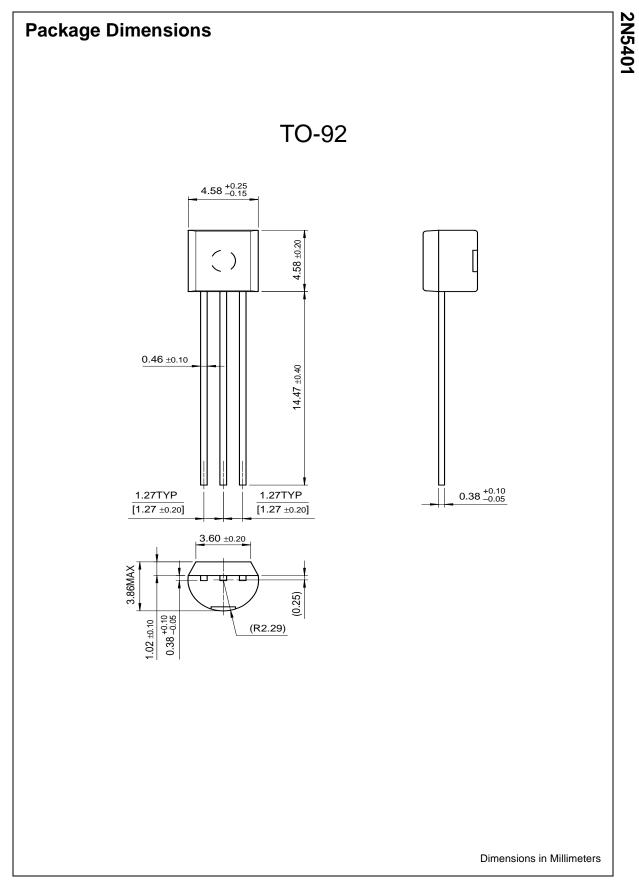
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV <sub>CBO</sub>	Collector-Base Breakdown Voltage	I <sub>C</sub> = -100μΑ, I <sub>E</sub> =0	-160			V
BV <sub>CEO</sub>	* Collector-Emitter Breakdown Voltage	I <sub>C</sub> = -1mA, I <sub>B</sub> =0	-150			V
BV <sub>EBO</sub>	Emitter-Base Breakdown Voltage	I <sub>E</sub> = -10μΑ, I <sub>C</sub> =0	-5			V
I <sub>CBO</sub>	Collector Cut-off Current	V <sub>CB</sub> = -120V, I <sub>E</sub> =0			-50	nA
I <sub>EBO</sub>	Emitter Cut-off Current	V <sub>EB</sub> = -3V, I <sub>C</sub> =0			-50	nA
h <sub>FE</sub>	* DC Current Gain	$I_{C}$ = -1mA, $V_{CE}$ = -5V $I_{C}$ = -10mA, $V_{CE}$ = -5V $I_{C}$ = -50mA, $V_{CE}$ = -5V	30 60 50		240	
V <sub>CE</sub> (sat)	* Collector-Emitter Saturation Voltage	I <sub>C</sub> = -10mA, I <sub>B</sub> = -1mA I <sub>C</sub> = -50mA, I <sub>B</sub> = -5mA			-0.2 -0.5	V V
V <sub>BE</sub> (sat)	* Base-Emitter Saturation Voltage	I <sub>C</sub> = -10mA, I <sub>B</sub> = -1mA I <sub>C</sub> = -50mA, I <sub>B</sub> = -5mA			-1 -1	V V
f <sub>T</sub>	Current Gain Bandwidth Product	I <sub>C</sub> = -10mA, V <sub>CE</sub> = -10V, f=100MHz	100		400	MHz
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = -10V, I <sub>E</sub> =0, f=1MHz			6	pF
N <sub>F</sub>	Noise Figure	$I_{C}$ = -250μA, V <sub>CE</sub> = -5V R <sub>S</sub> =1KΩ f=10Hz to 15.7KHz			8	dB

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