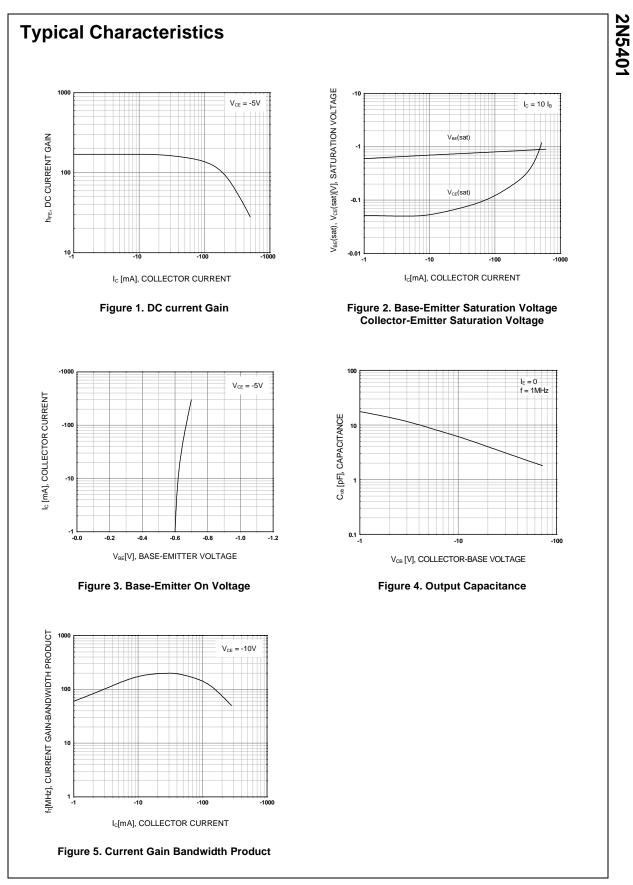


Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-160	V
V _{CEO}	Collector-Emitter Voltage	-150	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _C	Collector Current	-600	mA
P _C	Collector Dissipation	625	mW
ТJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

Electrical Characteristics T_a=25°C unless otherwise noted

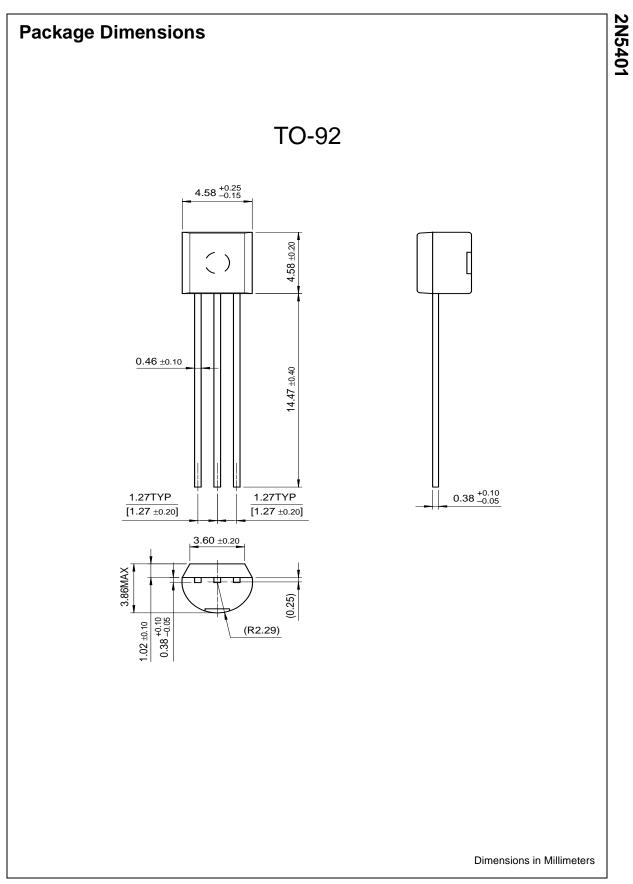
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = -100μA, I _E =0	-160			V
BV _{CEO}	* Collector-Emitter Breakdown Voltage	I _C = -1mA, I _B =0	-150			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -10μΑ, I _C =0	-5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -120V, I _E =0			-50	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} = -3V, I _C =0			-50	nA
h _{FE}	* 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 _{CE} (sat)	* Collector-Emitter Saturation Voltage	I _C = -10mA, I _B = -1mA I _C = -50mA, I _B = -5mA			-0.2 -0.5	V V
V _{BE} (sat)	* Base-Emitter Saturation Voltage	I _C = -10mA, I _B = -1mA I _C = -50mA, I _B = -5mA			-1 -1	V V
f _T	Current Gain Bandwidth Product	I _C = -10mA, V _{CE} = -10V, f=100MHz	100		400	MHz
C _{ob}	Output Capacitance	V _{CB} = -10V, I _E =0, f=1MHz			6	pF
N _F	Noise Figure	I_{C} = -250μA, V _{CE} = -5V R _S =1KΩ f=10Hz to 15.7KHz			8	dB

2N5401



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