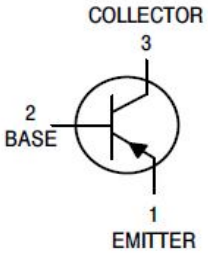
TO-92



Features

- Pb Free
- Major application：amplifying、switching

Mechanical Data

- Case：TO-92, Molded plastic
- Terminal: Pure tin plated, lead free

Primary Characteristics	
BV_{CBO}	300V
BV_{CEO}	300V
BV_{EBO}	5V
I_C	500mA
P_C	625mW
T_J	-50 ~ +150 °C
T_{STG}	-50 ~ +150 °C

Maximum Rating (Ta=25°C unless otherwise noted)

Parameter	Symbol	Testing Condition		Value	Unit
Collector −Base Breakdown Voltage	BV_{CBO}	I_C=0.1mA	I_E=0	≧300	V
Collector −Emitter Breakdown Voltage	BV_{CEO}	I_C=1mA	I_B=0	≧300	V
Emitter−Base Breakdown Voltage	BV_{EBO}	I_E=0.1mA	I_C=0	≧5	V
Collector Cutoff Current	I_{CBO}	V_{CB}=200V	I_E=0	≦100	nA
Emitter Cutoff Current	I_{EBO}	V_{EB}=4V	I_C=0	≦100	nA
Collector −Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=20mA	I_B=2mA	≦0.5	V
Base−Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=20mA	I_B=2mA	≦0.9	V
DC Current Gain	h_{FE}	V_{CE}=10V	I_C=10mA	≧40	-
Current−Gain − Bandwidth Product	f_T	V_{CE}=20V	I_C=10mA	≧50	MHz

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