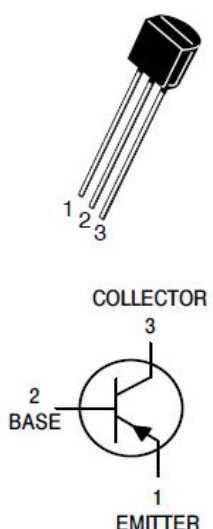



TO-92 		Features			
		<ul style="list-style-type: none"> Pb Free Major application : amplifying 、 switching <div style="text-align: right;">  </div>			
		Mechanical Data			
		<ul style="list-style-type: none"> Case : TO-92, Molded plastic Terminal: Pure tin plated, lead free 			
Primary Characteristics					
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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