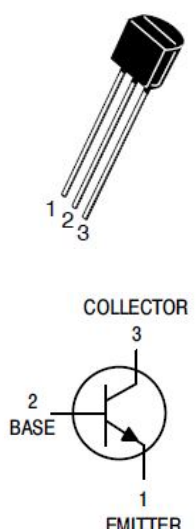



TO-92 		Features																	
		<ul style="list-style-type: none"> Pb Free Major application : amplifying 、 switching <div style="text-align: right;">  </div>																	
Primary Characteristics		Mechanical Data																	
<table border="1"> <tr><td>BV_{CBO}</td><td>300V</td></tr> <tr><td>BV_{CEO}</td><td>300V</td></tr> <tr><td>BV_{EBO}</td><td>6V</td></tr> <tr><td>I_C</td><td>500mA</td></tr> <tr><td>P_C</td><td>625mW</td></tr> <tr><td>T_J</td><td>-50 ~ +150 °C</td></tr> <tr><td>T_{STG}</td><td>-50 ~ +150 °C</td></tr> </table>		BV_{CBO}	300V	BV_{CEO}	300V	BV_{EBO}	6V	I_C	500mA	P_C	625mW	T_J	-50 ~ +150 °C	T_{STG}	-50 ~ +150 °C	<ul style="list-style-type: none"> Case : TO-92, Molded plastic Terminal: Pure tin plated, lead free 			
BV_{CBO}	300V																		
BV_{CEO}	300V																		
BV_{EBO}	6V																		
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}	$I_E=0.1mA$	$I_C=0$	≥ 6	V														
Collector Cutoff Current	I_{CBO}	$V_{CB}=200V$	$I_E=0$	≤ 100	nA														
Emitter Cutoff Current	I_{EBO}	$V_{EB}=6V$	$I_C=0$	≤ 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}	$V_{CE}=10V$	$I_C=10mA$	80~250	-														
Current–Gain – Bandwidth Product	f_T	$V_{CE}=20V$	$I_C=10mA$	≥ 40	MHz														

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