

JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

TO-251-3L Plastic-Encapsulate Transistors

B772M TRANSISTOR (PNP)

FEATURES

Low Speed Switching

TO-251-3L 1. EMITTER 2. COLLECTOR 3 BASE 123

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-40	V
V _{CEO}	Collector-Emitter Voltage	-30	V
V _{EBO}	Emitter-Base Voltage	-6	V
Ic	Collector Current -Continuous	-3	Α
Pc	Collector Power Dissipation	1.25	W
R _{OJA}	Thermal Resistance, junction to Ambient		°C/W
Tj	Junction Temperature		°C
T _{stg}	Storage Temperature	-55-150	$^{\circ}$

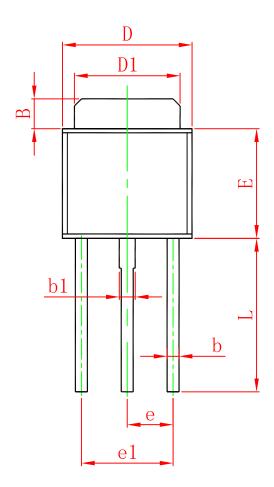
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

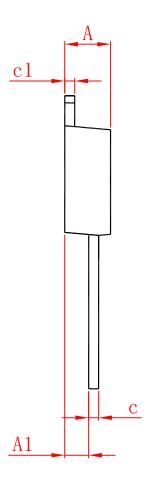
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-100μA ,I _E =0	-40			V
Collector-emitter breakdown voltage	ector-emitter breakdown voltage V _{(BR)CEO} I _C = -10mA , I _B =0		-30			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -100μA,I _C =0	-6			V
Collector cut-off current	I _{CBO}	V _{CB} = -40V, I _E =0			-1	μA
Collector cut-off current	I _{CEO}	V _{CE} =-30V, I _B =0			-10	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-6V, I _C =0			-1	μA
DC current gain	current gain h_{FE} V_{CE} = -2V, I_{C} = -1A		60		400	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-2A, I _B = -0.2A			-0.5	V
Base-emitter saturation voltage	se-emitter saturation voltage $V_{BE(sat)}$ $I_C=-2A$, $I_B=-0.2A$				-1.5	V
Transition frequency	f _T	V_{CE} = -5V, I_{C} =-0.1A f =10MHz	50	80		MHz

CLASSIFICATION OF hFE

Rank	R	0	Y	GR
Range	60-120	100-200	160-320	200-400

TO-251-3L Package Outline Dimensions





Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min.	Max.	Min.	Max.	
Α	2.200	2.400	0.087	0.094	
A1	1.050	1.350	0.042	0.054	
В	1.350	1.650	0.053	0.065	
b	0.500	0.700	0.020	0.028	
b1	0.700	0.900	0.028	0.035	
С	0.430	0.580	0.017	0.023	
c1	0.430	0.580	0.017	0.023	
D	6.350	6.650	0.250	0.262	
D1	5.200	5.400	0.205	0.213	
E	5.400	5.700	0.213	0.224	
е	2.300 TYP.		0.091 TYP.		
e1	4.500	4.700	0.177	0.185	
L	7.500	7.900	0.295	0.311	