



JSCJ TO-251-3L Plastic-Encapsulate Transistors

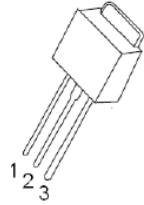
MJD2955 TRANSISTOR (PNP)

FEATURES

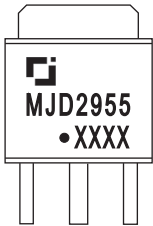
- Designed for General Purpose Amplifier and Low Speed Switching Applications
- Electrically Simiar to MJD3055
- DC Current Gain Specified to10 Amperes

TO-251-3L

- 1.BASE
2.COLLECTOR
3.EMITTER

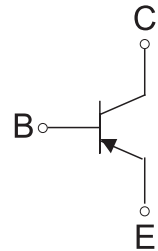


MARKING



MJD2955=Device code
Solid dot=Green moldinn compound device,
if none,the normal device
XXXX=Code

Equivalent Circuit



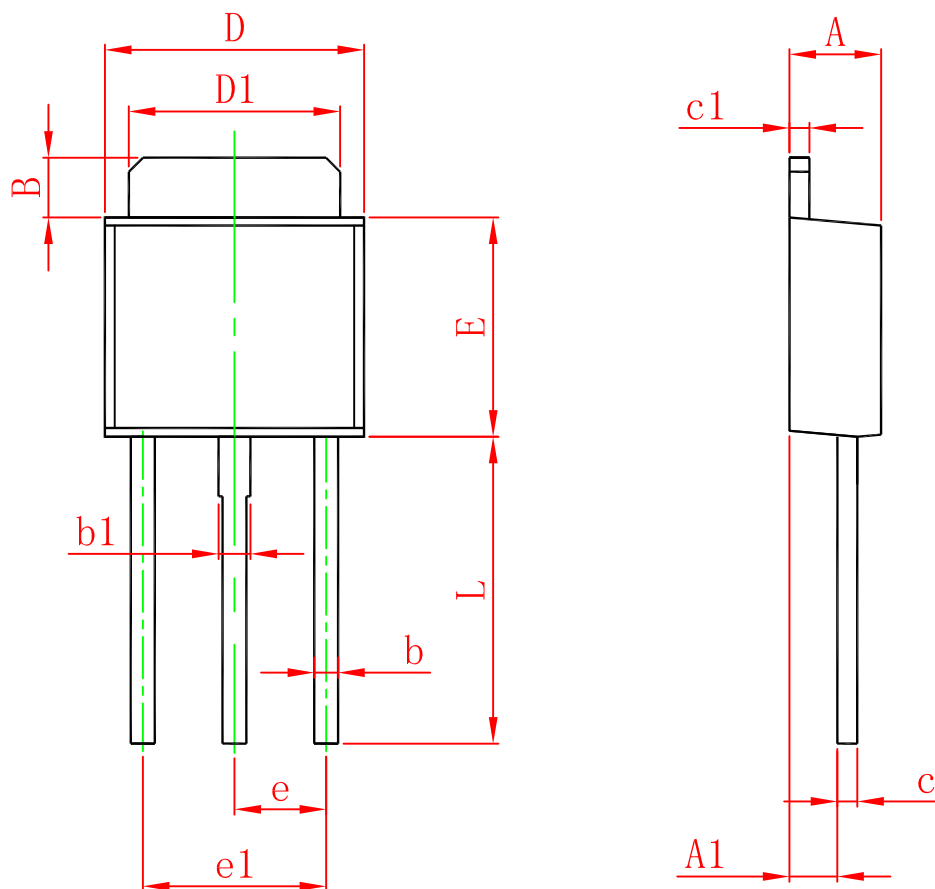
MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-70	V
V _{CEO}	Collector-Emitter Voltage	-60	V
V _{EBO}	Emitter-Base Voltage	-5	V
I _c	Collector Current -Continuous	-10	A
P _C	Collector Power Dissipation	1.25	W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C=-1mA, I_E=0$	-70			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C=-200mA, I_B=0$	-60			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=-1mA, I_C=0$	-5			V
Collector cut-off current	I_{CBO}	$V_{CB}=-70V, I_E=0$			-0.02	mA
	I_{CEO}	$V_{CB}=-30V, I_B=0$			-50	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=-5V, I_C=0$			-0.5	mA
DC current gain	$h_{FE(1)}$	$V_{CE}=-4V, I_C=-4A$	20		100	
	$h_{FE(2)}$	$V_{CE}=-4V, I_C=-10A$	5			
Collector-emitter saturation voltage	$V_{CE(sat)(1)}$	$I_C=-4A, I_B=-0.4A$			-1.1	V
	$V_{CE(sat)(2)}$	$I_C=-10A, I_B=-3.3A$			-8	V
Base-emitter voltage	V_{BE}	$V_{CE}=-4V, I_C=-4A$			-1.8	V
Transition frequency	f_T	$V_{CE}=-10V, I_C=-0.5A, f=500KHz$	2			MHz

TO-251-3L Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	2.200	2.400	0.087	0.094
A1	1.050	1.350	0.042	0.054
B	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
c	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
e	2.300 TYP.		0.091 TYP.	
e1	4.500	4.700	0.177	0.185
L	7.500	7.900	0.295	0.311