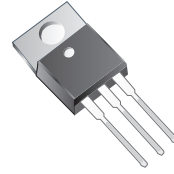
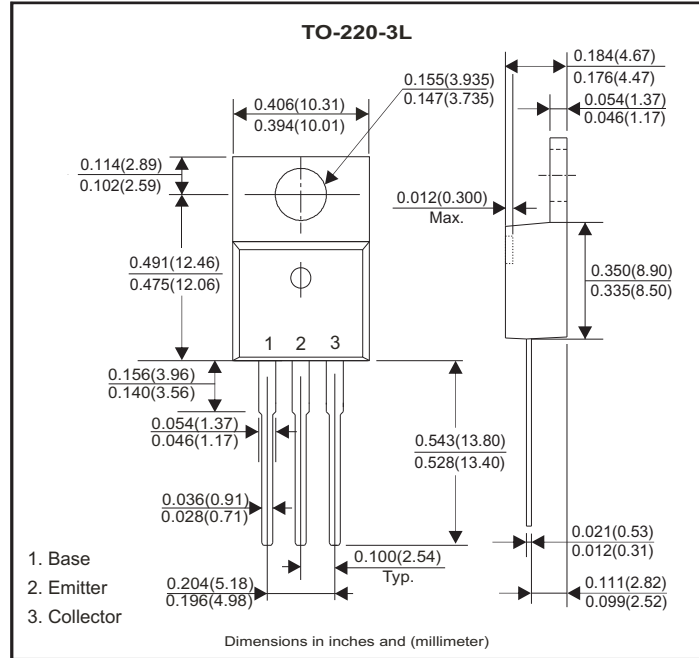


MJE2955-G (PNP) RoHS Device



Features

- General Purpose and Switching Application



Maximum Ratings (at TA=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-base voltage	V _{CBO}	-70	V
Collector-emitter voltage	V _{CEO}	-60	V
Emitter-base voltage	V _{EBO}	-5	V
Collector current-continuous	I _C	-10	A
Collector power dissipation	P _C	2	W
Junction temperature	T _J	150	°C
Storage temperature range	T _{STG}	-55 to +150	°C

Electrical Characteristics (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Max	Unit
Collector-base breakdown voltage	I _C = -10mA , I _E = 0	V _{(BR)CBO}	-70		V
Collector-emitter breakdown voltage	I _C = -200mA , I _B = 0	V _{(BR)CEO}	-60		V
Emitter-base breakdown voltage	I _E = -10mA , I _C = 0	V _{(BR)EBO}	-5		V
Collector cut-off current	V _{CB} = -70V , I _E = 0	I _{CBO}		-1	mA
Emitter cut-off current	V _{EB} = -5V , I _C = 0	I _{EBO}		-5	mA
DC current gain	V _{CE} = -4V , I _C = -4A	h _{FE} (1)*	20	100	
	V _{CE} = -4V , I _C = -10A	h _{FE} (2)*	5		
Collector-emitter saturation voltage	I _C = -4A , I _B = -0.4A	V _{CE(sat)} *		-1.1	V
	I _C = -10A , I _B = -3.3A	V _{CE(sat)} *		-8	V
Base-emitter voltage	V _{CE} = -4V , I _C = -4A	V _{BE}		-1.8	V
Transition frequency	V _{CE} = -10V , I _C = -0.5A	f _T	2		MHz

RATING AND CHARACTERISTIC CURVES (MJE2955-G)

Fig.1 - Static Characteristic

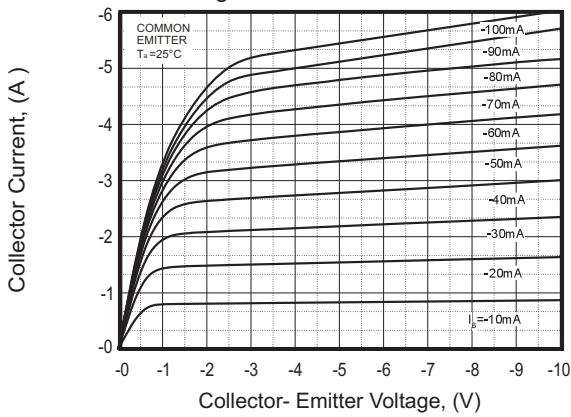


Fig.2 - $h_{FE} - I_c$

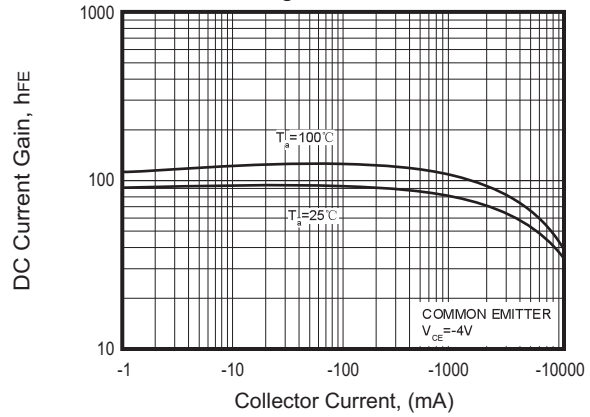


Fig.3 - $V_{CEsat} - I_c$

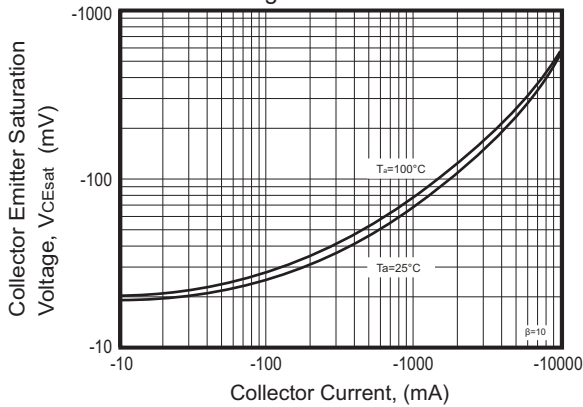


Fig.4 - $V_{BEsat} - I_c$

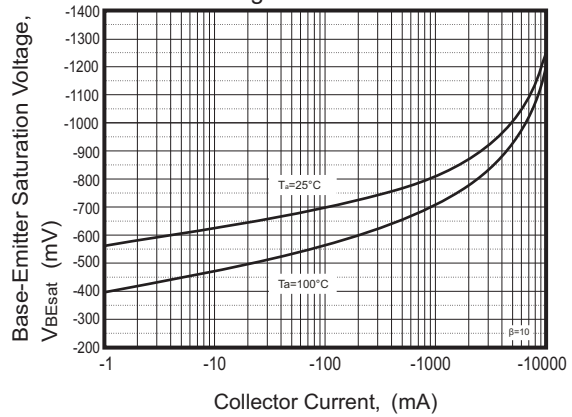


Fig.5 - $I_c - V_{BE}$

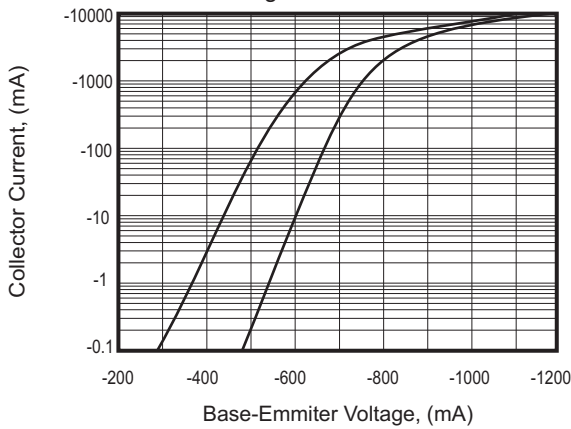


Fig.6 - $C_{ob}/C_{ib} - V_{CB}/V_{EB}$

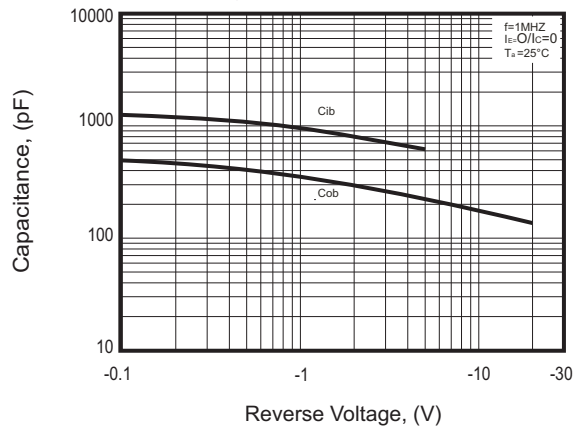
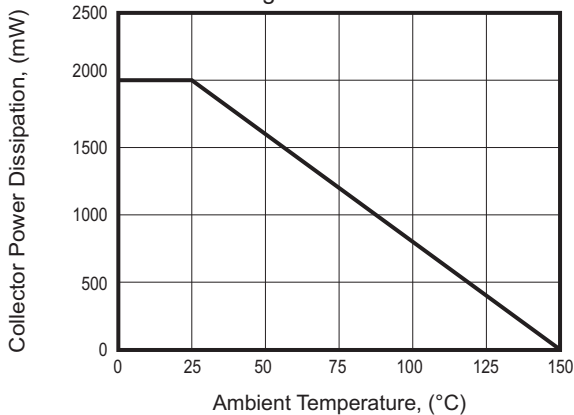
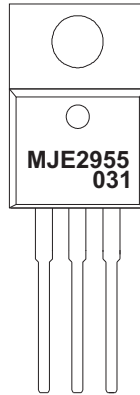


Fig.7 - $P_c - T_a$



Marking Code

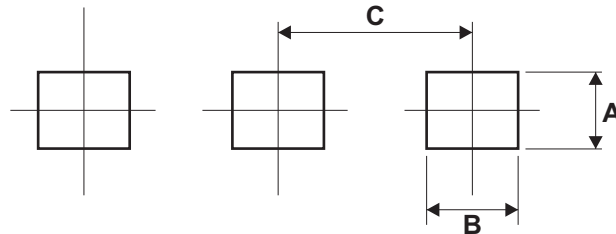
Part Number	Marking Code
MJE2955-G	MJE2955



MJE2955: Marking Code
031: Control Code

Suggested PAD Layout

SIZE	TO-220-3L	
	(mm)	(inch)
A	1.00	0.039
B	1.20	0.047
C	2.54	0.100



Standard Packaging

Case Type	TUBE PACK	
	TUBE (pcs)	Inner BOX (pcs)
TO-220-3L	50	1,000