

Features

- Designed for General Purpose Amplifier and Low Speed Switching Applications
- Halogen Free. "Green"Device(Note 1)
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

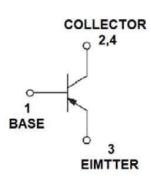
- Operating Junction Temperature Range: -65°C to +150°C
- Storage Temperature Range: -65°C to +150°C
- Thermal Resistance: 100°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-100	V
Collector-Emitter Voltage	V _{CEO}	-100	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-3	Α
Power Dissipation	P _D	1.25	W

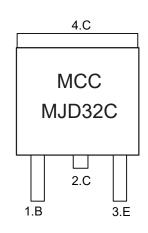
Note:

1.Halogen free "Green" products are defined as those which contain <900ppm bromin <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure

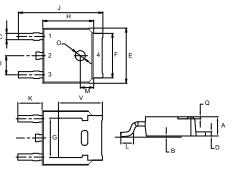


Device Marking



Silicon PNP epitaxial planer Transistors





1.BASE 2,4.COLLECTOR 3.EMITTER

DIMENSIONS						
DIM INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.087	0.094	2.20	2.40		
В	0.000	0.005	0.00	0.13		
С	0.026	0.034	0.66	0.86		
D	0.018	0.023	0.46	0.58		
Е	0.256	0.264	6.50	6.70		
F	0.201	0.215	5.10	5.46		
G	0.190		4.83		TYP.	
Н	0.236	0.244	6.00	6.20		
I	0.086	0.094	2.18	2.39		
J	0.386	0.409	9.80	10.40		
K	0.114		2.90		TYP.	
L	0.055	0.067	1.40	1.70		
M	0.063		1.60		TYP.	
0	0.043	0.051	1.10	1.30		
Q	0.000	0.012	0.00	0.30		
V 0.211		5.35		TYP.		

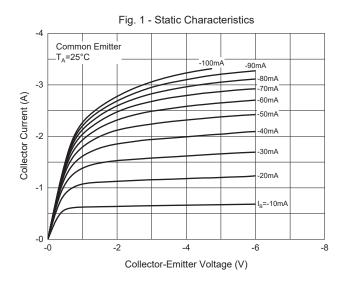


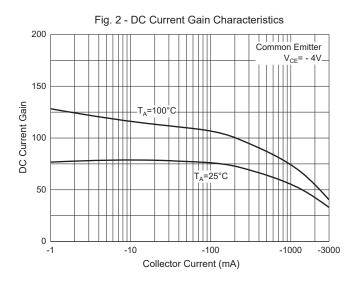
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

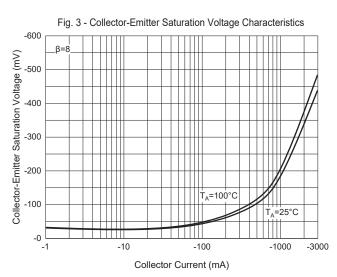
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-100			V	I _C =-1mA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-100			V	I _C =-30mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-1mA, I _C =0
Collector Cutoff Current	I _{CEO}			-50	μA	V _{CE} =-60V, I _B =0
Collector Cutoff Current	I _{CER}			-20	μA	V _{CE} =-100V, V _{EB} =0
Emitter Cutoff Current	I _{EBO}			-1	mA	V _{EB} =-5V, I _C =0
DC Current Gain	h _{FE(1)}	25				V _{CE} =-4V, I _C =-1A
	h _{FE(2)}	10		50		V_{CE} =-4V, I_{C} =-3A
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-1.2	V	I _C =-3A, I _B =-0.375A
Base-Emitter Voltage	V_{BE}			-1.8	V	V_{CE} =-4V, I_{C} =-3A
Transition Frequency	f _T	3			MHz	V _{CE} =-10V, I _C =-0.5A, f=1KHz

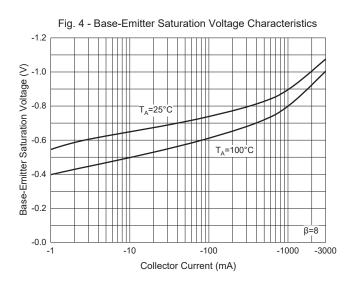


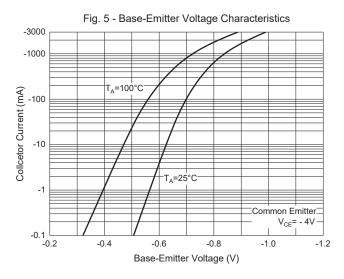
Curve Characteristics

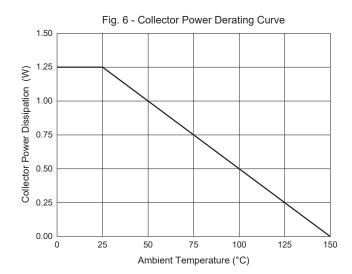






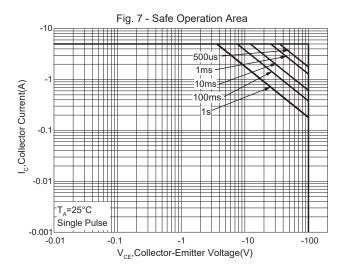








Curve Characteristics





Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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