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)

Silicon PNP epitaxial planer Transistors

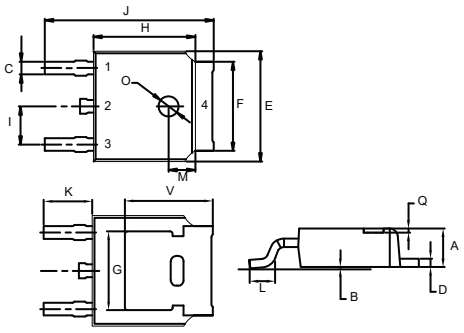
Maximum Ratings @ 25°C Unless Otherwise Specified

- Operating Junction Temperature Range: -65℃ to +150℃
- Storage Temperature Range: -65℃ to +150℃
- Thermal Resistance: 100℃/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	A
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.

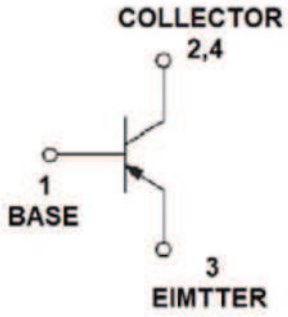
DPAK(TO-252)



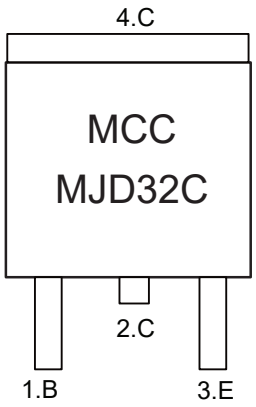
1.BASE
2,4.COLLECTOR
3.EMITTER

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.087	0.094	2.20	2.40	
B	0.000	0.005	0.00	0.13	
C	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		TYP.
H	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.
O	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		TYP.

Internal Structure



Device Marking



Electrical Characteristics @ T_A=25°C Unless Otherwise Specified

Parameter	Symbol	Min	Typ	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

Fig. 1 - Static Characteristics

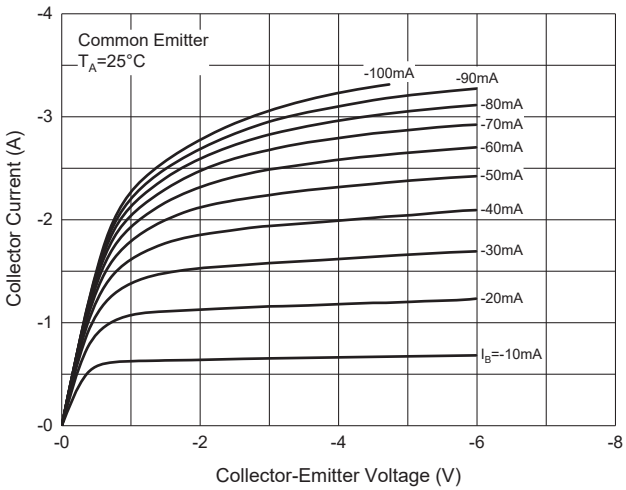


Fig. 2 - DC Current Gain Characteristics

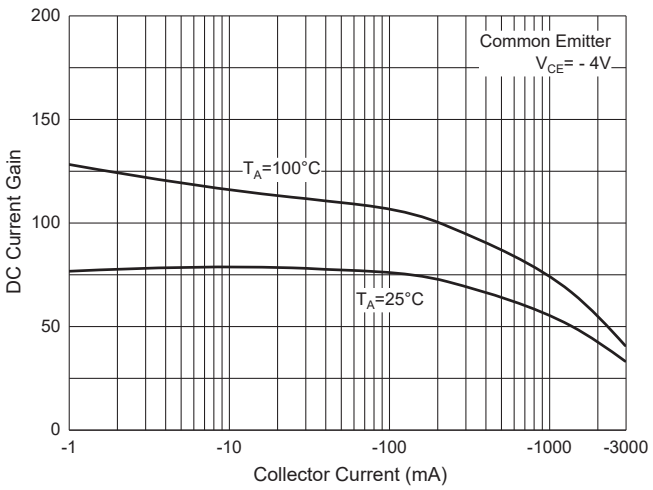


Fig. 3 - Collector-Emitter Saturation Voltage Characteristics

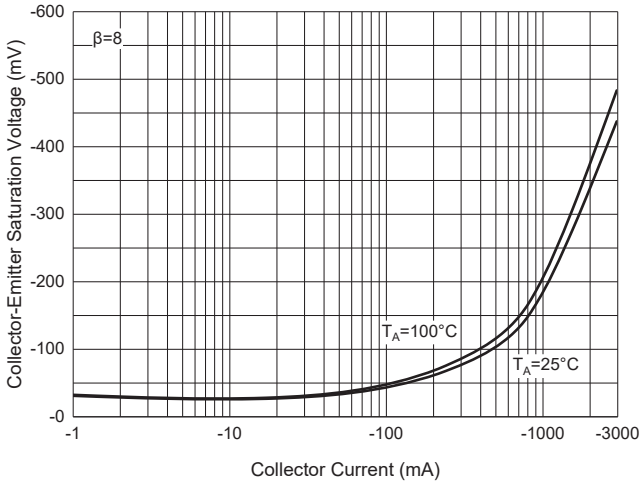


Fig. 4 - Base-Emitter Saturation Voltage Characteristics

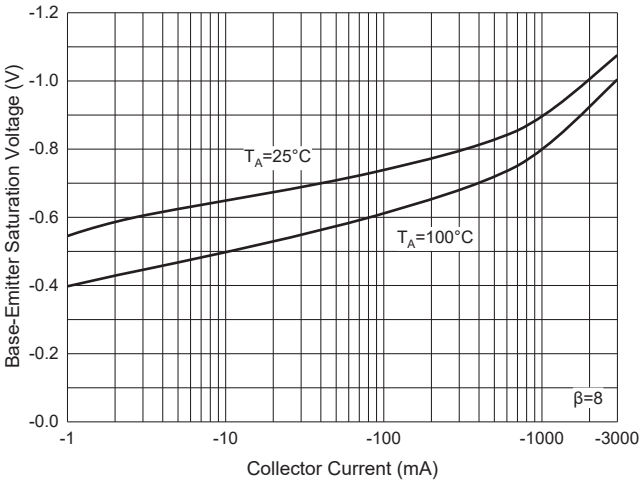


Fig. 5 - Base-Emitter Voltage Characteristics

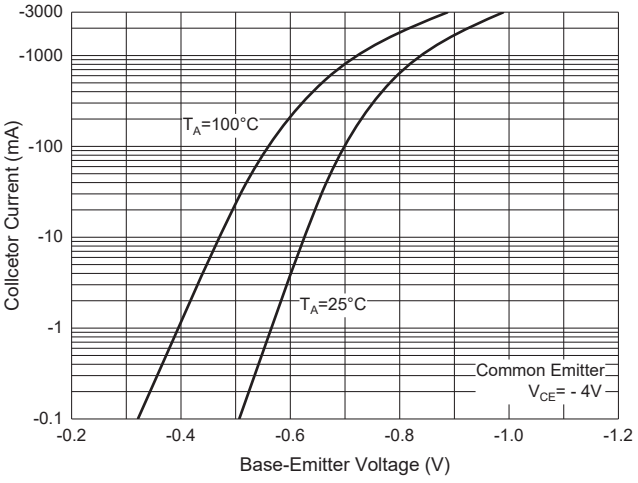
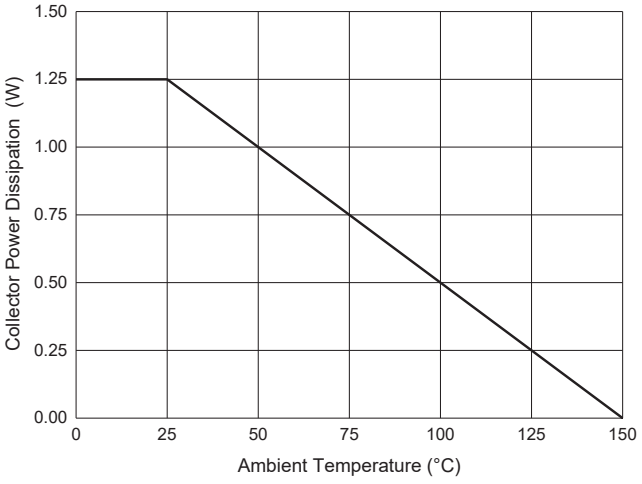
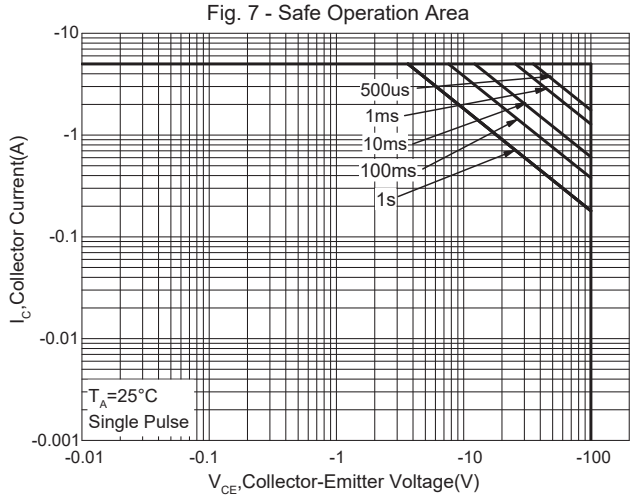


Fig. 6 - Collector Power Derating Curve



Curve Characteristics

Fig. 7 - Safe Operation Area



Ordering Information

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

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