

Features

- · High DC Current Gain
- Built-in a Damper Diode at E-C
- 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: -55°C to +150°C

Storage Temperature Range: -55°C to +150°C
 Thermal Resistance: 83°C/W Junction to Ambient

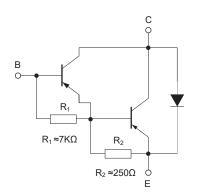
Thermal Resistance: 6.25°C/W Junction to Case

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	Ic	-8	Α
Power Dissipation	P _D	1.5	W

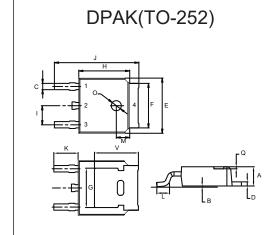
Note:

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

Internal Schematic Diagram



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	0.1	14	2.9	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.		

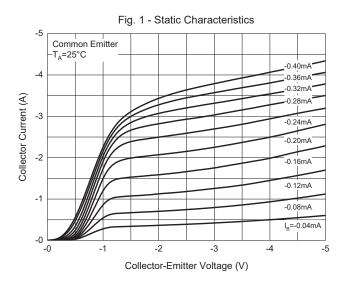


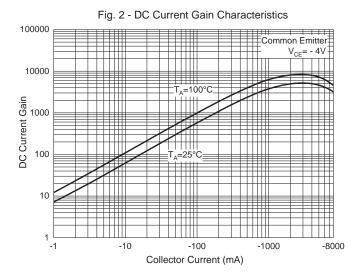
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

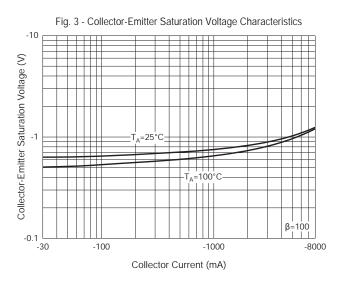
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-100			V	I _C =-1mA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-100			V	I _C =-30mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I _E =-10mA, I _C =0
Collector Cutoff Current	I _{CBO}			-10	μA	V _{CB} =-100V, I _E =0
Collector-Emitter Cutoff Current	I _{CEO}			-10	μA	V _{CE} =-50V, I _B =0
Emitter Cutoff Current	I _{EBO}			-2	mA	V _{EB} =-5V, I _C =0
DC Current Gain	h _{FE(1)}	1000		12000		V _{CE} =-4V, I _C =-4A
	h _{FE(2)}	100				V _{CE} =-4V, I _C =-8A
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-2.0	V	I _C =-4A, I _B =-16mA
				-4.0	V	I _C =-8A, I _B =-80mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-4.5	V	I _C =-8A, I _B =-80mA
Base-Emitter Voltage	V_{BE}			-2.8	V	V_{CE} =-4V, I_{C} =-4A
Output Capacitance	C _{ob}			300	pF	V _{CB} =-10V, I _E =0, f=0.1MHz

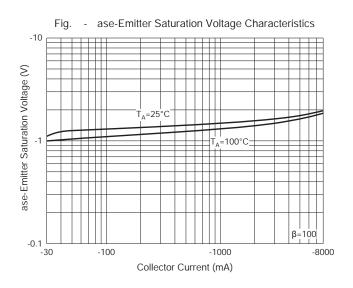


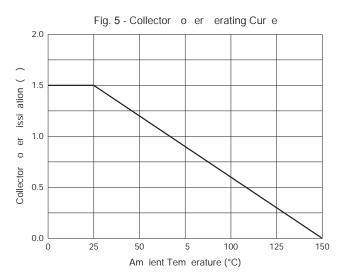
Curve Characteristics













Ordering Information

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

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