

Features

- · Muti-Chip Transistor
- 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)

PNP Plastic-Encapsulate Transistors

Maximum Ratings @ 25°C Unless Otherwise Specified

Operating Junction Temperature Range: -55°C to +150°C

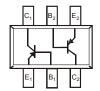
• Storage Temperature Range: -55°C to +150°C

Thermal Resistance: 625°C/W Junction to Ambient

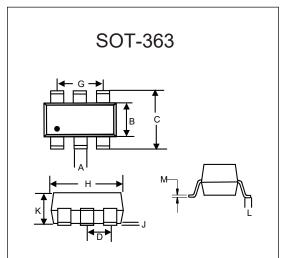
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-80	V
Collector-Emitter Voltage	V _{CEO}	-65	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-100	mA
Collector Power Dissipation	P _C	200	mW

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 Structure

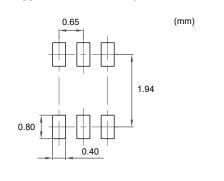


Marking: 5Ft



DIMENSIONS					
DIM INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.006	0.014	0.15	0.35	
В	0.045	0.053	1.15	1.35	
С	0.079	0.096	2.00	2.45	
D	0.0	26	0.6	5	TYP.
G	0.047	0.055	1.20	1.40	
Н	0.071	0.087	1.80	2.20	
J		0.004		0.10	
K	0.031	0.043	0.80	1.10	
L	0.010	0.018	0.26	0.46	
М	0.003	0.006	80.0	0.15	

Suggested Solder Pad Layout





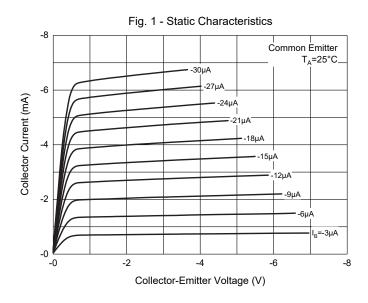
Electrical Characteristics @ 25°C Unless Otherwise Specified

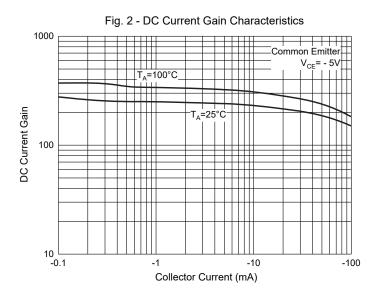
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-80			V	I _C =-10μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-65			V	I _C =-10mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-10μA, I _C =0
Collector-Base Cutoff Current	I _{CBO}			-15	nA	V_{CB} =-30V, I_{E} =0
Emitter-Base Cutoff Current	I _{EBO}			-100	nA	V _{EB} =-5V, I _C =0
DC Current Gain ^(Note 2)	h _{FE}	110				V_{CE} =-5V, I_{C} =-2mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.3	V	I _C =-10mA, I _B =-0.5mA
				-0.65	V	I _C =-100mA, I _B =-5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}		-0.75	-0.85	V	I _C =-10mA, I _B =-0.5mA
Base-Emitter Voltage	V_{BE}			-0.75	V	V _{CE} =-5V, I _C =-2mA
Transition Frequency	f _T	100			MHz	V _{CE} =-5V, I _C =-10mA, f=100MHz
Collector Output Capacitance	C _{ob}			2.5	pF	V _{CB} =-10V, I _E =0, f=1MHz

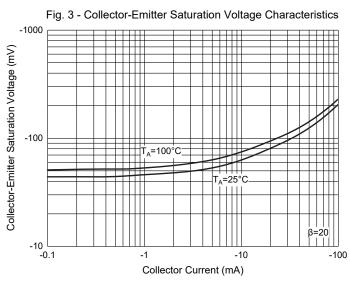
Note: 2.Pluse Width ≤ 300µs, Duty Cycle ≤ 2.0%

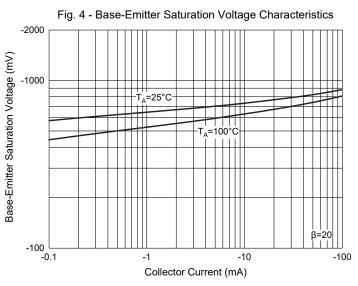


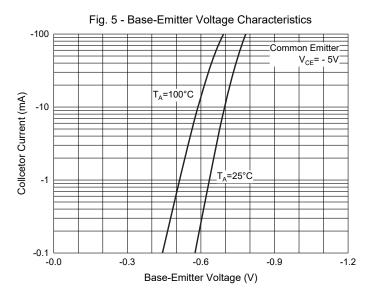
Curve Characteristics

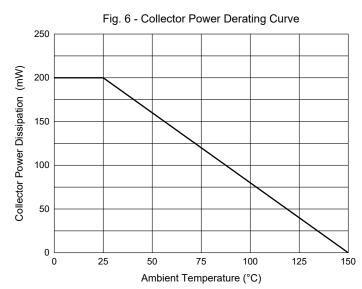














Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel:3Kpcs/Reel	
Part Number-TPQ2	Tape&Reel:3Kpcs/Reel	
Part Number-13P	Tape&Reel:10Kpcs/Reel	

For packaging details, go to our website at https://www.mccsemi.com/pdf/productpackaging/SOT-363%20Package.pdf

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