

Features

- 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 Transistor

Maximum Ratings

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

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

Thermal Resistance: 625 ℃/W Junction to Ambient

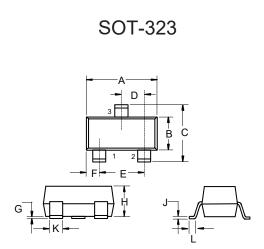
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-160	V
Collector-Emitter Voltage	V _{CEO}	-150	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-200	mA
Collector Power Dissipation	P _C	200	mW

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

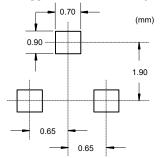


Marking: K4M



DIMENSIONS					
DIM		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.071	0.087	1.80	2.20	
В	0.045	0.053	1.15	1.35	
С	0.083	0.096	2.10	2.45	
D	0.026		0.65		TYP.
Е	0.047	0.055	1.20	1.40	
F	0.012	0.016	0.30	0.40	
G	0.000	0.004	0.00	0.10	
Η	0.035	0.044	0.90	1.10	
J	0.002	0.010	0.05	0.25	
K	0.006	0.016	0.15	0.40	
L	0.010	0.018	0.26	0.46	

Suggested Solder Pad Layout



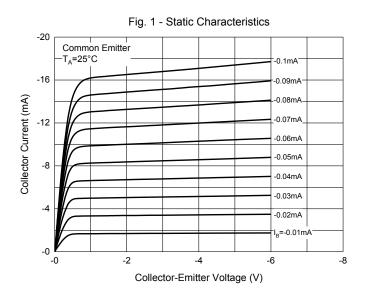


Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-160			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-150			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-10μA, I _C =0
Collector-Base Cutoff Current	I _{CBO}			-50	nA	V _{CB} =-120V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			-50	nA	$V_{EB} = -3V$, $I_C = 0$
DC Current Gain	h _{FE(1)}	50				V_{CE} =-5V, I_{C} =-1mA
	h _{FE(2)}	60		300		V _{CE} =-5V, I _C =-10mA
	h _{FE(3)}	50				V_{CE} =-5V, I_{C} =-50mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.2	V	I _C =-10mA, I _B =-1mA
				-0.5	V	I _C =-50mA, I _B =-5mA
Base-Emitter Saturation Voltage	V			-1	V	I _C =-10mA, I _B =-1mA
	V _{BE(sat)}			-1	V	I _C =-50mA, I _B =-5mA
Transition Frequency	f _T	100		300	MHz	V _{CE} =-10V, I _C =-10mA, f=100MHz
Output Capacitance	C _{ob}			6	pF	V _{CB} =-10V, I _E =0, f=1MHz
Noise Figure	NF			8	dB	V_{CE} =-5V, I_{C} =-200μA, R_{g} =10 Ω f=1KHz



Curve Characteristics



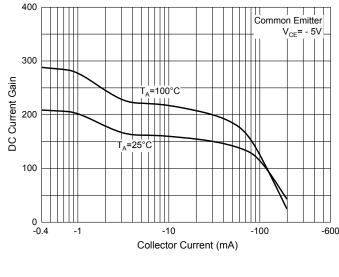
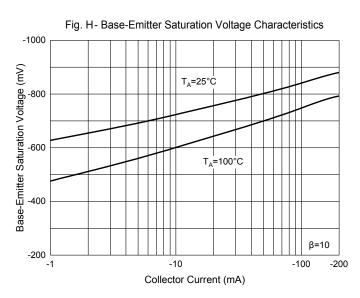
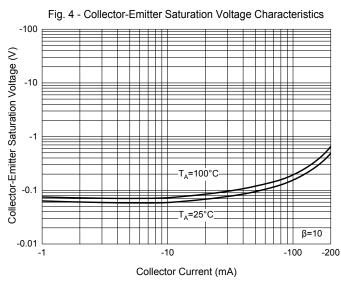
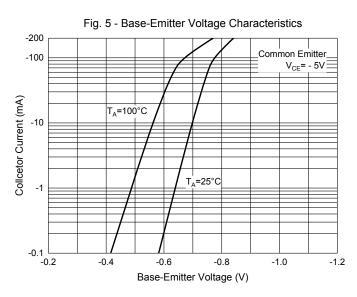
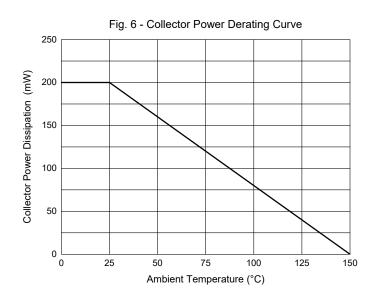


Fig. 2 - DC Current Gain Characteristics











Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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Rev.3-3-12012020 4/4 MCCSEMI.COM