

Features

- Halogen Free. "Green" Device (Note 1)
- AEC-Q101 Qualified
- 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)



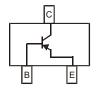
Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 417°C/W Junction to Ambient

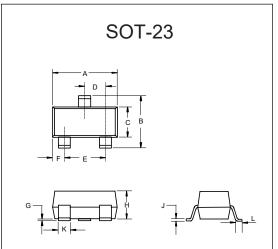
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-160	V
Collector-Emitter Voltage	V _{CEO}	-150	V
Emitter-Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-600	mA
Collector Power Dissipation	Pc	300	mW

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

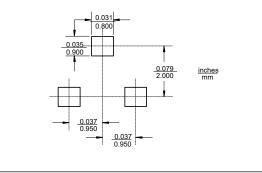


Marking: 2L



DIMENSIONS					
DIM	INC	HES	MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
А	0.110	0.120	2.80	3.04	
В	0.083	0.104	2.10	2.64	
С	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
Е	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
Н	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.014	0.020	0.35	0.51	
L	0.007	0.020	0.20	0.50	

Suggested Solder Pad Layout





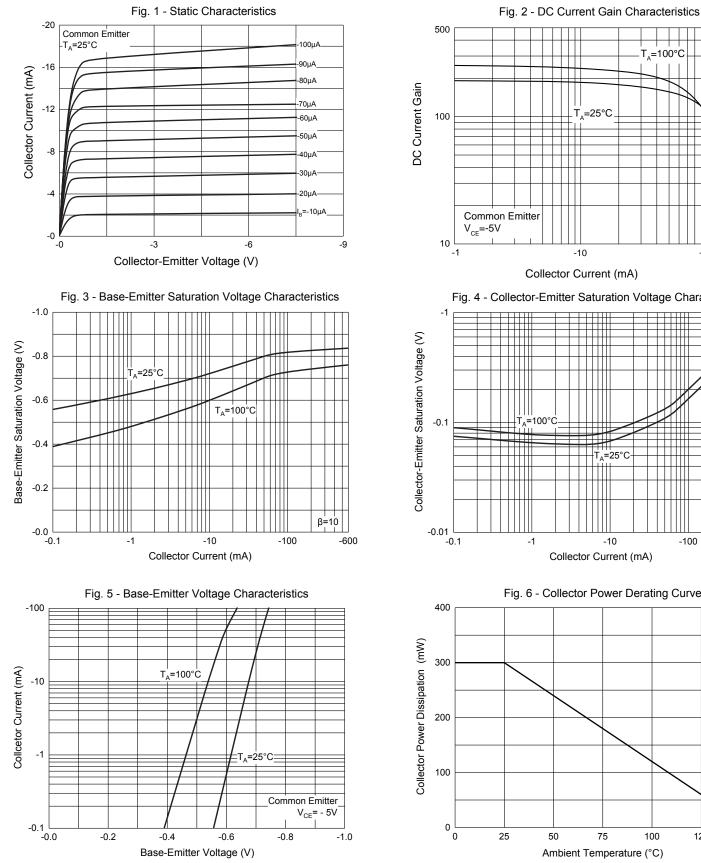
Electrical Characteristics @ 25°C Unless Otherwise Specified

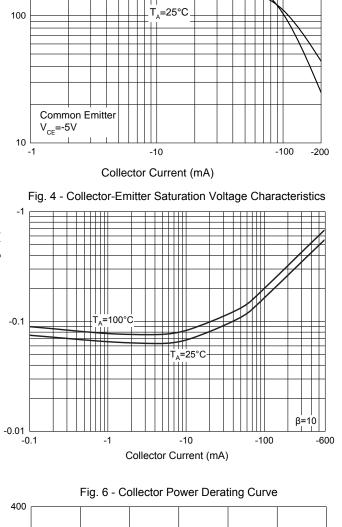
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-160			V	Ι _C =-100μΑ, Ι _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-150			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	Ι _E =-10μΑ, Ι _C =0
Collector Cutoff Current	I _{CBO}			-100	nA	V _{CB} =-120V, I _E =0
Emitter-Base Cutoff Current	I _{EBO}			-100	nA	V _{EB} =-4V, I _C =0
	h _{FE1}	80				V _{CE} =-5V, I _C =-1.0mA
DC Current Gain	h _{FE2}	100		300		V _{CE} =-5V, I _C =-10mA
	h _{FE3}	50				V _{CE} =-5V, I _C =-50mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C =-50mA, I _B =-5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.0	V	I _C =-50mA, I _B =-5mA
Transition Frequency	f _T	100			MHz	V _{CE} =-5V, I _C =-10mA, f=30MHz



T_A=100°C

Curve Characteristics





50

75

Ambient Temperature (°C)

100



Rev.3-3-12012020

150

125



Ordering Information

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

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