

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 General Purpose Amplifier

Maximum Ratings @ 25°C Unless Otherwise Specified

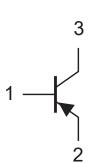
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-80	V
Collector-Emitter Voltage	V _{CEO}	-80	V
Emitter-Base Voltage	V_{EBO}	-4	V
Collector Current	I _C	-500	mA
Power Dissipation	P _D	200	mW

Thermal characteristics

Parameter	Symbol	Rating	Unit
Junction Temperature Range	T _j	-55~+150	°C
Storage Temperature Range	T _{stg}	-55~+150	°C
Thermal Resistance from Junction to Ambient	Rth _(J-A)	625	°C/W

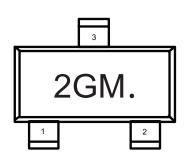
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

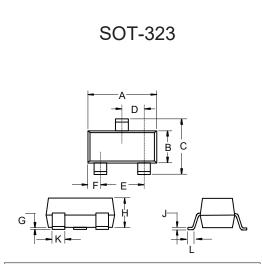
Internal Structure





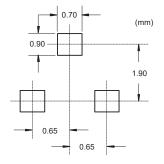
Marking Code





DIMENSIONS					
DIM		M	M	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	
Н	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



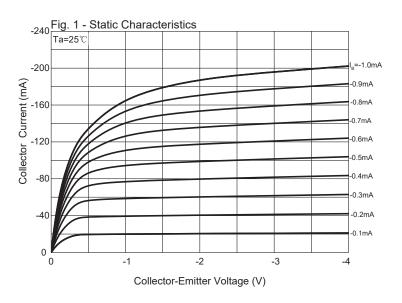


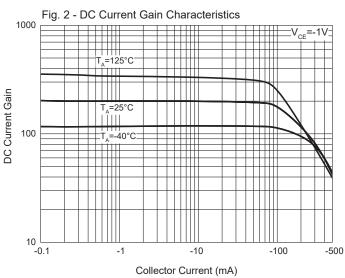
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

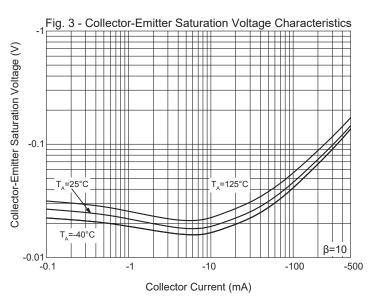
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-80			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage*	V _{(BR)CEO}	-80			V	I_C =-1mA, I_B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-4			V	I _E =-100μA, I _C =0
Collector-Base Cutoff Current	I _{CBO}			-0.1	μA	V _{CB} =-80V, I _E =0
Collector-Emitter Cutoff Current	I _{CES}			-0.1	μA	V _{CE} =-60V, I _B =0
Emitter-Base Cutoff Current	I _{EBO}			-0.1	μA	V_{EB} =-4V, I_C =0
DC Current Gain	h _{FE(1)}	100				V_{CE} =-1V, I_{C} =-10mA
Do Guirent Gain	h _{FE(2)}	100				V _{CE} =-1V, I _C =-100mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.25	V	I _C =-100mA, I _B =-10mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.2	V	I _C =-100mA, I _B =-10mA
Transition Frequency	f _T	100			MHz	V _{CE} =-20V, I _C =-10mA, f=100MHz
Output Capacitance	C _{ob}			11	pF	V_{CB} =-5V, I_E =0,f=1MHz

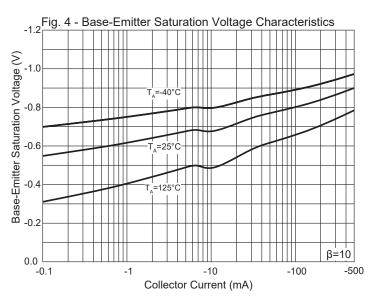


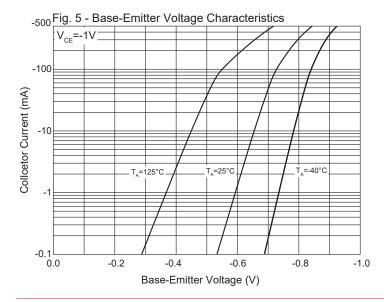
Curve Characteristics

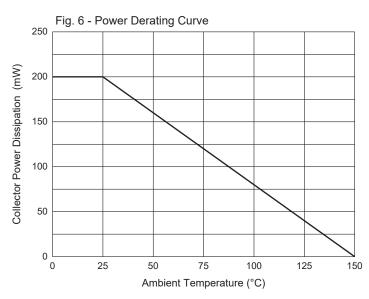














Ordering Information

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

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