

Features

- · Low Current
- Low Voltage
- 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

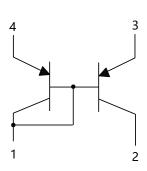
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-30	V
Collector-Emitter Voltage	V_{CEO}	-30	V
Emitter-Base Voltage	V_{EBO}	-6	V
Continuous Collector Current	I _C	-0.1	Α
Peak Collector Current	I _{CM}	-0.2	Α
Power Dissipation	P_{D}	250	mW

Thermal characteristics

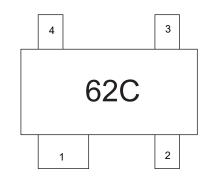
Parameter	Symbol	Rating	Unit
Operating Junction Temperature Range	T _{OPR}	-65~+150	°C
Storage Temperature Range	T _{STR}	-65~+150	°C
Thermal Resistance from Junction to Ambient	Rth _(j-a)	500	°C/W

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

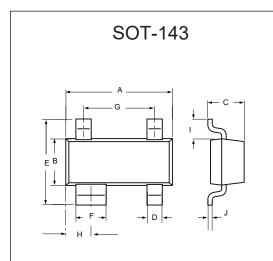
Internal Structure



Device Marking



PNP General-purpose Double Transistor



DIMENSIONS					
DIM INCHES		HES	MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.110	0.120	2.80	3.04	
В	0.047	0.055	1.20	1.39	
С	0.031	0.048	0.80	1.22	
D	0.011	0.020	0.30	0.51	
Е	0.082	0.104	2.10	2.64	
F	0.029	0.037	0.76	0.94	
G	0.070	0.080	1.78	2.03	
Н	0.028	0.033	0.72	0.83	
I	0.015	0.024	0.40	0.60	
J	0.003	0.008	0.08	0.20	

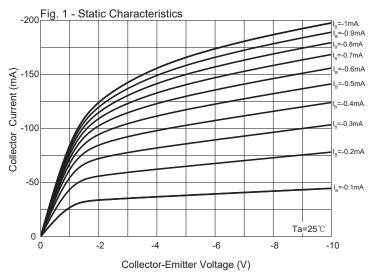


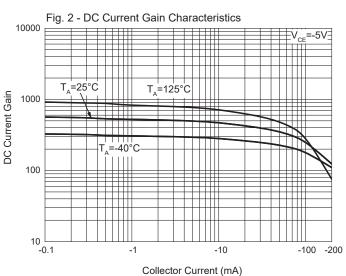
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

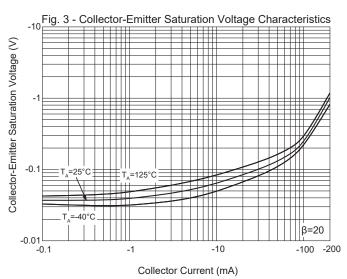
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-30			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-30			V	I _C =-10mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-6			V	I _E =-100μA, I _C =0
Collector-Base Cutoff Current	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	h _{FE(1)}	100				V _{CE} =-5V, I _C =-100μA
	h _{FE(2)}	420		800		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)}		-0.7		V	I _C =-10mA, I _B =-0.5mA
			-0.9		V	I _C =-100mA, I _B =-5mA
Base-Emitter Turn-on Voltage	V _{BE(on)}	-0.58	-0.62	-0.75	V	V _{CE} =-5V, I _C =-2mA
				-0.82	V	V _{CE} =-5V, I _C =-10mA
Transition Frequency	f _T	100			MHz	V _{CE} =-5V,I _C =-10mA,f=100MHz
Collector Output Capacitance	C_{ob}		4.5		pF	V _{CB} =-10V,I _E =0,f=1MHz

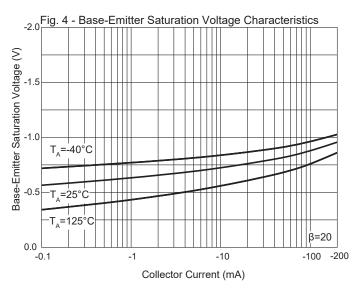


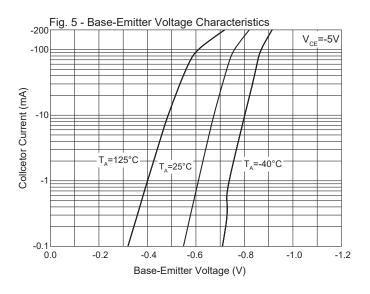
Curve Characteristics

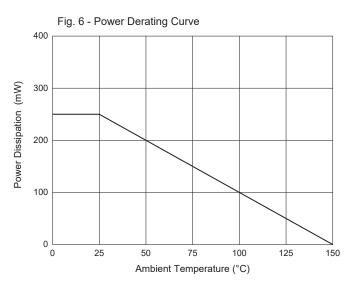














Ordering Information

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

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