

Features

- · High Voltage Driver Application
- 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

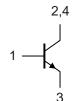
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	400	V
Collector-Emitter Voltage	V _{CEO}	400	V
Emitter-Base Voltage	V _{EBO}	6	V
Collector Current	Ic	0.2	Α
Collector Power Dissipation	P _C	1	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.

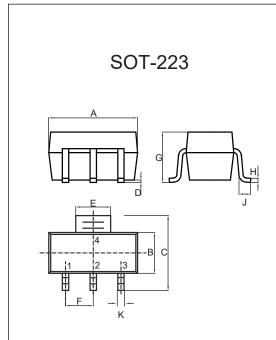
Marking: A44

Internal Structure



1.BASE 2,4.COLLECTOR 3.EMITTER

NPN Plastic Encapsulate Transistors



DIMENSIONS					
DIM INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOIL
Α	0.248	0.264	6.30	6.70	
В	0.130	0.146	3.30	3.70	
С	0.264	0.287	6.70	7.30	
D	0.001	0.004	0.02	0.10	
E	0.114	0.122	2.90	3.10	
F	0.0	91	2.30		TYP.
G		0.071		1.80	
Н	0.009	0.014	0.23	0.35	
J	0.030		0.75		
K	0.026	0.033	0.66	0.84	

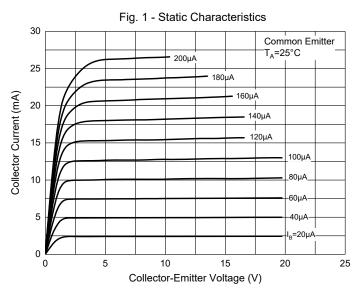


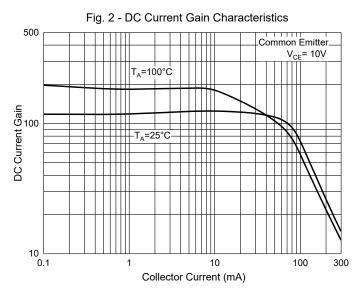
Electrical Characteristics @ 25°C Unless Otherwise Specified

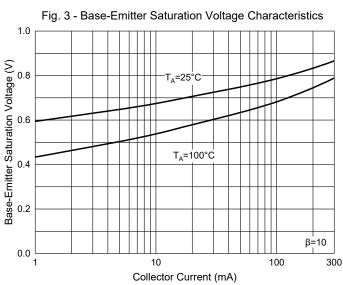
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	400			V	I _C =100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	400			V	I _C =1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	6			V	I _E =100μA, I _C =0
Collector-Base Cutoff Current	I _{CBO}			100	nA	V_{CB} =400V, I_{E} =0
Emitter-Base Cutoff Current	I _{EBO}			100	nA	V_{EB} =4V, I_{C} =0
DC Current Gain	h _{FE(1)}	40				V _{CE} =10V, I _C =1mA
	h _{FE(2)}	50		200		V _{CE} =10V, I _C =10mA
	h _{FE(3)}	45				V _{CE} =10V, I _C =50mA
	h _{FE(4)}	40				V _{CE} =10V, I _C =100mA
O-114 F	V _{CE(sat)}			0.5	V	I _C =10mA, I _B =1mA
Collector-Emitter Saturation Voltage				0.75	V	I _C =50mA, I _B =5mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			0.75	V	I _C =10mA, I _B =1mA
Transition Frequency	f _T	20			MHz	V _{CE} =10V, I _C =10mA, f=100MHz
Collector Capacitance	C _c			7	pF	V_{CB} =20V, I_E =0, f=1MHz
Emitter Capacitance	C _e			130	pF	V_{EB} =0.5V, I_{C} =0, f=1MHz

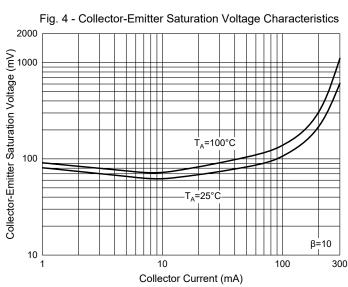


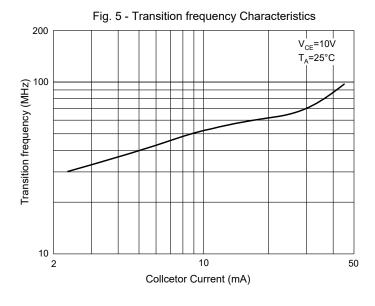
Curve Characteristics

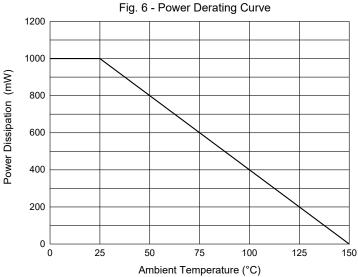














Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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