

Features

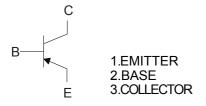
- · Halogen Free Available Upon Request By Adding Suffix "-HF"
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

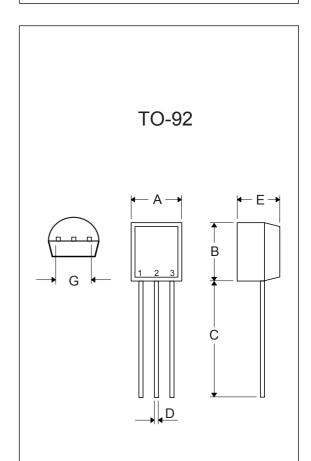
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 200°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-50	V
Collector-Emitter Voltage	V _{CEO}	-40	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-1	Α
Power Dissipation@T _A =25°C	P _D	625	mW

Internal Structure



PNP Plastic-Encapsulate Transistors



DIMENSIONS					
DIM INCHE		HES	S MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOIE
Α	0.169	0.185	4.30	4.70	
В	0.169	0.185	4.30	4.70	
С	0.500		12.70		
D	0.015	0.022	0.38	0.55	
E	0.130	0.146	3.30	3.70	
G	0.095	0.105	2.42	2.67	Straight Lead
	0.173	0.220	4.40	5.60	Bent

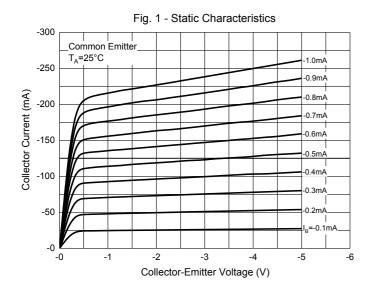


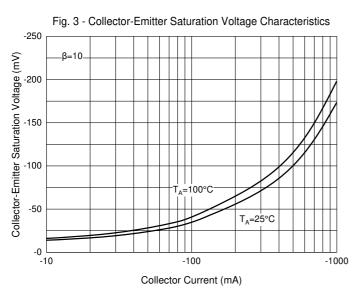
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

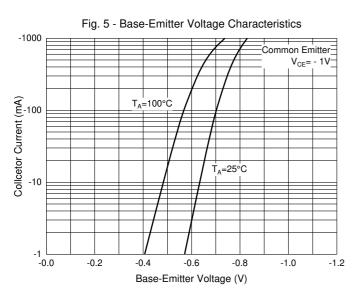
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-50			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-40			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-100μA, I _C =0
Collector Cut-off Current	I _{CBO}			-0.1	μΑ	V _{CB} =-40V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μΑ	V_{EB} =-3V, I_{C} =0
DC Current Gain	h _{FE(1)}	-55				V _{CE} =-1V, I _C =-10mA
	h _{FE(2)}	-60				V _{CE} =-1V, I _C =-100mA
	h _{FE(3)}	-50				V _{CE} =-1V, I _C =-1A
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.7	V	I _C =-1A, I _B =-100mA
Base-Emitter Voltage	V_{BE}			-1.2	V	V _{CE} =-1V, I _C =-1A
Transition Frequency	f_T	50			MHz	V _{CE} =-10V, I _C =-50mA, f=20MHz
Collector Output Capacitance	C _{ob}			30	pF	V _{CB} =-10V, I _E =0, f=1MHz

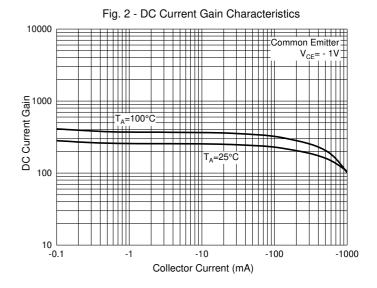


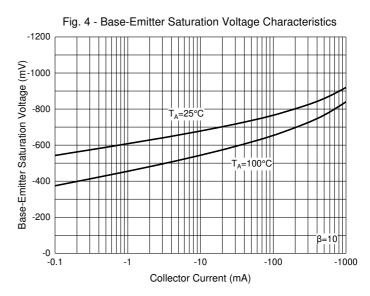
Curve Characteristics

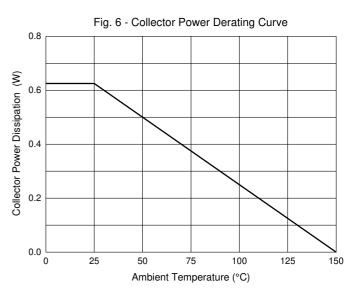














Ordering Information

Device	Packing		
Part Number-AP	Ammo Packing: 20Kpcs/Carton		
Part Number-BP	Bulk: 100Kpcs/Carton		

Note: Adding "-HF" Suffix for Halogen Free, eg. Part Number-TP-HF

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