

Features

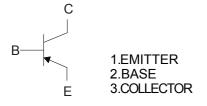
- · Switching and Amplifier Applications
- · Halogen Free Available Upon Request By Adding Suffix "-HF"
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C Unless Otherwise Specified

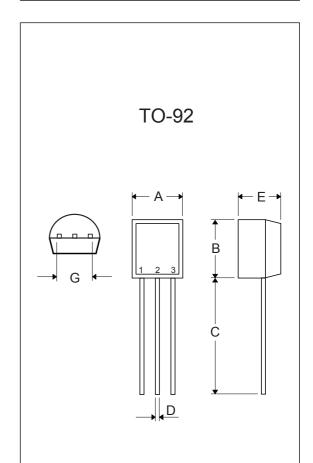
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 200°C/W Junction to Ambient

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-80	V
Collector-Emitter Voltage	V _{CEO}	-60	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-2	Α
Power Dissipation	P _D	625	mW

Internal Structure



PNP Encapsulate Transistors



	DIMENSIONS					
DIM INCHE		HES	IES MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOIL	
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	
G	0.173	0.220	4.40	5.60	Bent	



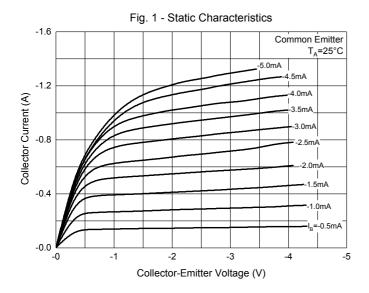
Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

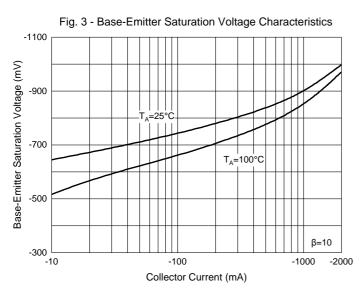
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-80			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage*	$V_{(BR)CEO}$	-60			V	I _C =-10mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-10μA, I _C =0
Collector Cut-off Current	I _{CBO}			-0.1	μΑ	V_{CB} =-80V, I_{E} =0
Emitter Cut-off Current	I _{EBO}			-0.1	μΑ	V _{EB} =-4V, I _C =0
DC Current Gain*	h _{FE(1)}	75				V _{CE} =-2V, I _C =-50mA
	h _{FE(2)}	75				V _{CE} =-2V, I _C =-500mA
	h _{FE(3)}	75				V _{CE} =-2V, I _C =-1A
	h _{FE(4)}	40				V_{CE} =-2V, I_{C} =-2A
Collector-Emitter Saturation Voltage*	V _{CE(sat)}			-0.5	V	I _C =-2A, I _B =-0.2A
				-0.3	V	I _C =-1A, I _B =-0.1A
Base-Emitter Saturation Voltage*	V _{BE(sat)}			1.2	V	I _C =-1A, I _B =-0.1A
Base-Emitter On Voltage*	$V_{BE(on)}$			1	V	V_{CE} =-2V, I_{C} =-1A
Transition Frequency	f _T	75			MHz	V _{CE} =-5V, I _C =-50mA, f=100MHz

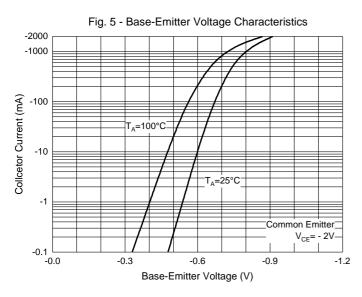
^{*.}Pulse test: Pulse Width≤300µs,Duty Cycle≤2.0%.

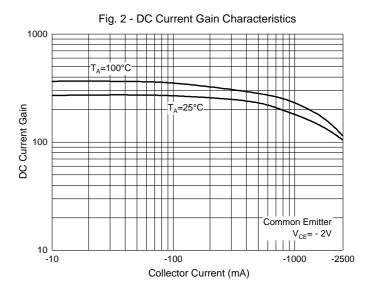


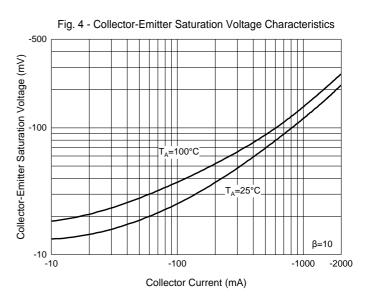
Curve Characteristics

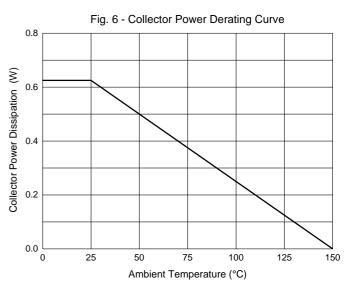














Ordering Information

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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