

Features

- Complementary to MPSA43
- 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)

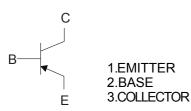
Maximum Ratings @ 25°C Unless Otherwise Specified

- 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

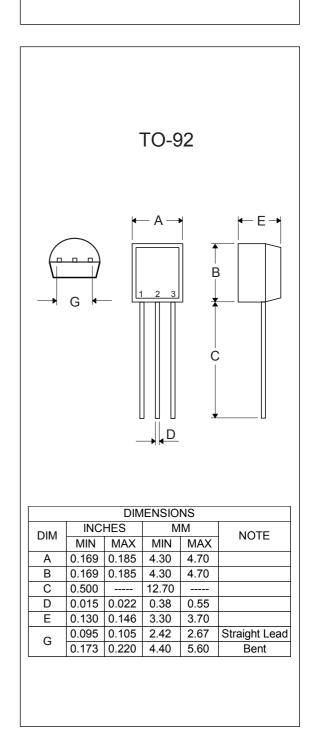
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-200	V
Collector-Emitter Voltage	V _{CEO}	-200	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	Ι _C	-500	mA
Power Dissipation	P _D	625	mW

Marking:A93

Internal Structure



Epitaxial Planar				
PNP				
Transistor				





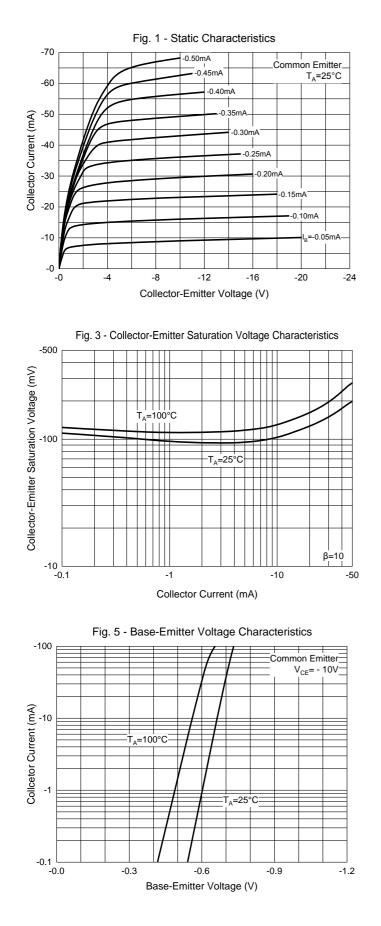
Electrical Characteristics @ $T_A \!\!=\! 25^\circ C$ Unless Otherwise Specified

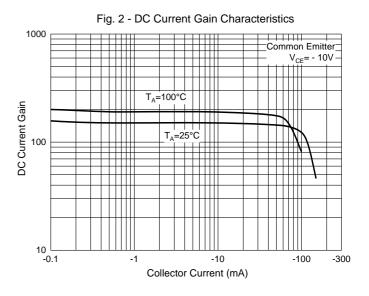
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-200			V	I _C =-100µA, I _E =0
Collector-Emitter Breakdown Voltage*	V _{(BR)CEO}	-200			V	I _C =-1mA, I _B =0
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I _E =-100µA, I _C =0
Collector Cut-off Current	I _{CBO}			-0.25	μA	V _{CB} =-150V, I _E =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V_{EB} =-3V, I _C =0
DC Current Gain*	h _{FE(1)}	25				V _{CE} =-10V, I _C =-1mA
	h _{FE(2)}	40				V _{CE} =-10V, I _C =-10mA
	h _{FE(3)}	25				V _{CE} =-10V, I _C =-30mA
Collector-Emitter Saturation Voltage*	V _{CE(sat)}			-0.5	V	I _C =-20mA, I _B =-2mA
Base-Emitter Saturation Voltage*	V _{BE(sat)}			-0.9	V	I _C =-20mA, I _B =-2mA
Transition Frequency	f _T	50			MHz	V _{CE} =-20V, I _C =-10mA, f=100MHz
Collector Output Capacitance	C _{ob}			8	pF	V_{CB} =-20V, I _E =0,f=1MHz

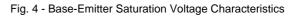
*.Pulse test: Pulse Width≤300µs,Duty Cycle≤2.0%.

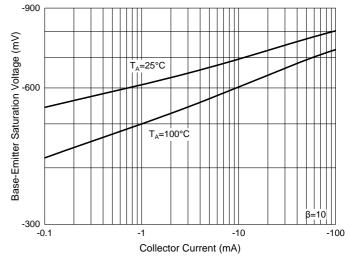


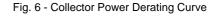
Curve Characteristics

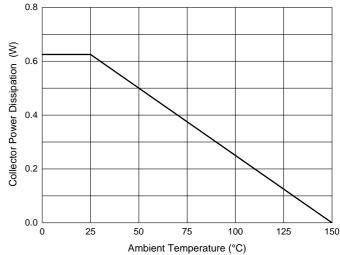














Ordering Information

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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