

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)

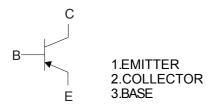
Maximum Ratings @ 25°C Unless Otherwise Specified

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 125°C/W Junction to Ambient

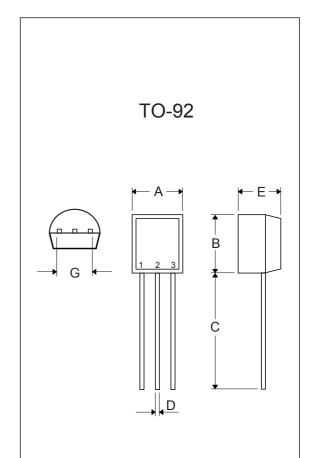
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V _{CBO}	-40	V
Collector-Emitter Voltage	V _{CEO}	-25	V
Emitter-Base Voltage	V _{EBO}	-5	V
Continuous Collector Current	I _C	-1.5	Α
Power Dissipation@T _A =25°C	P_D	1	W

Marking:8550SS

Internal Structure



PNP Silicon Transistors



DIMENSIONS					
DIM INCHES		HES	M	M	NOTE
Dilvi	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
	0.173	0.220	4.40	5.60	Bent



Electrical Characteristics @ T_A =25°C Unless Otherwise Specified

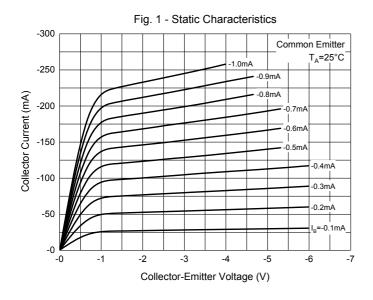
Parameter	Symbol	Min	Тур	Max	Units	Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-40			V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-25			V	I _C =-0.1mA, I _B =0
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5			V	I _E =-100μA, I _C =0
Collector Cut-off Current	I _{CBO}			-0.1	μA	V_{CB} =-40V, I_{E} =0
Collector Cut-off Current	I _{CEO}			-0.1	μA	V _{CE} =-20V, I _B =0
Emitter Cut-off Current	I _{EBO}			-0.1	μA	V _{EB} =-5V, I _C =0
DC Current Gain	h _{FE(1)}	120		300		V _{CE} =-1V, I _C =-100mA
DC Current Gain	h _{FE(2)}	40				V _{CE} =-1V, I _C =-800mA
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C =-800mA, I _B =-80mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-1.2	V	I _C =-800mA, I _B =-80mA
Transition Frequency	f _T	100			MHz	V _{CE} =-10V, I _C =-50mA, f=30MHz

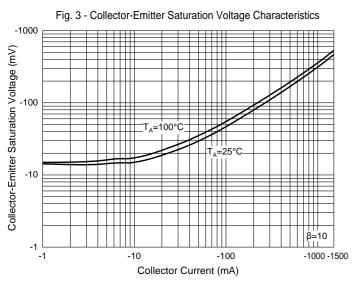
Classification of h_{FE(1)}

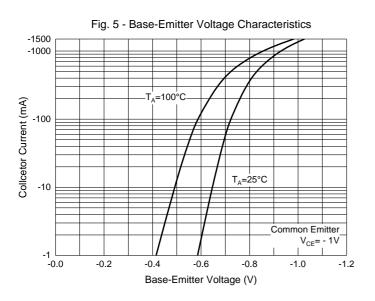
Rank	С	D
Range	120-200	160-300

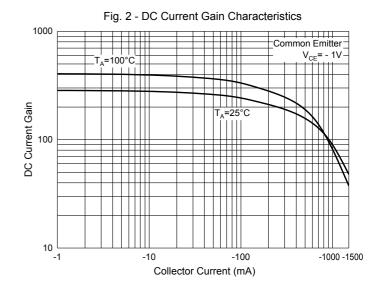


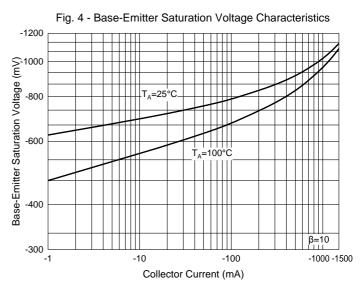
Curve Characteristics

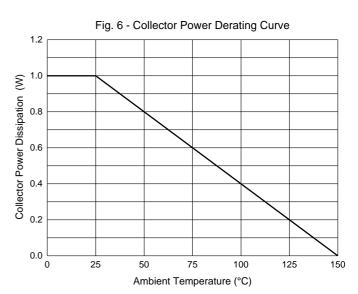














Ordering Information

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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