



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 SS8550-C SS8550-D

## Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 1.0Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 1.5A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking: SS8550

CLASSIFICATION OF He (1) Rank

Range

- Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information)
  Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Halogen free available upon request by adding suffix "-HF"

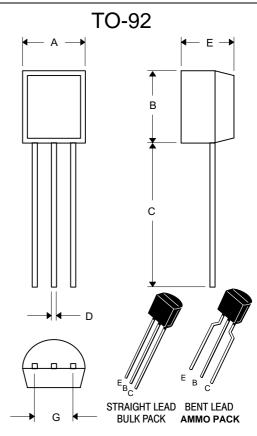
### **Electrical Characteristics @ 25°C Unless Otherwise Specified**

Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (b=100uAdc, b=0)	40		Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (L=0.1mAdc, L=0)	25		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (½=100uAdc, ½=0)	6.0		Vdc
Сво	Collector Cutoff Current (V <sub>CB</sub> =40Vdc, ½=0)		0.1	uAdc
Iceo	Collector Cutoff Current (V <sub>CE</sub> =20Vdc, $_{b}$ =0)		0.1	uAdc
I <sub>EBO</sub>	Emitter Cutoff Current (V <sub>EB</sub> =5.0Vdc,		0.1	uAdc
ON CHARAC	ETERISTICS			
$h_{\text{FE}(1)}$	DC Current Gain (b=100mAdc, VcE=1.0Vdc)	85	400	
h <sub>FE(2)</sub>	DC Current Gain (b=800mAdc, VcE=1.0Vdc)	40		
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage (b=800mAdc, b=80mAdc)		0.8	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage (L=800mAdc, L=80mAdc)		1.2	Vdc
V <sub>EB</sub>	Base- Emitter Voltage (½=1.5Adc)		1.8	Vdc
SMALL-SIG	NAL CHARACTERISTICS			
f <sub>T</sub>	Transistor Frequency (b=50mAdc, Vc=10Vdc, f=30MHz)	190		MHz

С

120-200

# **PNP Silicon Transistors**



DIMENSIONS								
	INCHES		MM					
DIM	MIN	MAX	MIN	MAX	NOTE			
Α	.175	.185	4.45	4.70				
В	.175	.185	4.45	4.70				
С	.500		12.70					
D	.016	.020	0.41	0.63				
Е	.135	.145	3.43	3.68				
G	.095	.105	2.42	2.67	Straight Lead			
G	.173	.220	4.40	5.60	Bent Lead			

For ammo packing detailed specification, click here to visit our website of product packaging for details.

D

160-300



#### **Micro Commercial Components**

### 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-AP-HF

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