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**Micro Commercial Components** 

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 2SA950-O 2SA950-Y

## **Features**

- Complementary Pair With 2SC2120
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- 1W Output Applications

# PNP Silicon Transistors

## **Maximum Ratings**

Symbol	Rating	Rating	Unit
$V_{\text{CEO}}$	Collector-Emitter Voltage	-30	V
$V_{CBO}$	Collector-Base Voltage	-35	V
$V_{EBO}$	Emitter-Base Voltage	-5.0	V
Ic	Collector Current	-800	mA
Pc	Collector power dissipation	600	mW
TJ	Junction Temperature	150	οС
T <sub>STG</sub>	Storage Temperature	-55 to +150	°С

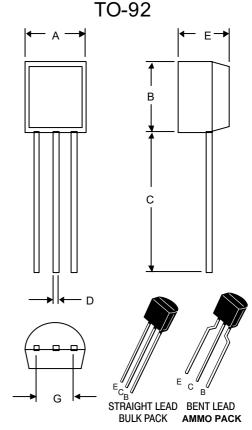
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min		Max	Units
OFF CHARACTERISTICS					
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage $(I_C=-100\mu Adc, I_E=0)$	-35		-	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I <sub>C</sub> =-10mAdc, I <sub>B</sub> =0)	-30			Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I <sub>E</sub> =-100µAdc, I <sub>C</sub> =0)	-5.0		-	Vdc
І <sub>сво</sub>	Collector-Base Cutoff Current (V <sub>CB</sub> =-35Vdc,I <sub>E</sub> =0)		1	-0.1	μAdc
I <sub>EBO</sub>	Emitter-Base Cutoff Current (V <sub>EB</sub> =-5.0Vdc, I <sub>C</sub> =0)			-0.1	μAdc

#### **ON CHARACTERISTICS**

h <sub>FE(1)</sub>	DC Current Gain*	100		320	
	$(I_C=-100 \text{mAdc}, V_{CE}=-1.0 \text{Vdc})$				
$h_{FE(2)}$	DC Current Gain	35			
``	$(I_C=-700 \text{mAdc}, V_{CE}=-1.0 \text{Vdc})$				
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage			0.7	Vdc
, ,	(I <sub>C</sub> =-500mAdc, I <sub>B</sub> =-20mAdc)				
$V_{BE}$	Base-Emitter Voltage	-0.5		0.8	Vdc
	$(I_C=-10\text{mAdc}, V_{CE}=-1.0\text{Vdc})$				
f⊤	Transition Frequency		120		MHz
	(V <sub>CE</sub> =-5Vdc, İ <sub>C</sub> =-10mAdc)				
Cob	Collector Output Capacitance		19		pF
	$(V_{CB}=-10Vdc, I_{E}=0, f=1.0MHz)$				•

<sup>\*</sup> hFE rank / O: 100-200, Y:160-320,



DIMENSIONS						
	INCHES MM					
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.170	.190	4.33	4.83		
В	.170	.190	4.30	4.83		
С	.550	.590	13.97	14.97		
D	.010	.020	0.36	0.56		
Е	.130	.160	3.30	3.96		
G	.096	.104	2.44	2.64		

<sup>\*</sup> For ammo packing detailed specification, click here to visit our website of product packaging for details.



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## **Ordering Information:**

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

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