

**Micro Commercial Components** 



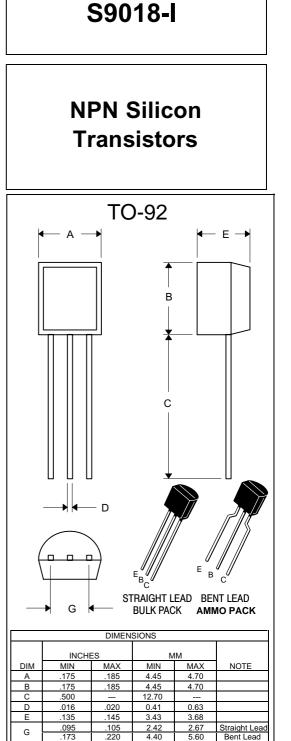
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

## **Features**

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.31Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.05A
- Collector-base Voltage 25V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking : S9018
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

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

Symbol	Parameter		Min	Max	Units
<b>OFF CHARA</b>	CTERISTICS				
V <sub>(BR)CBO</sub>	Collector-Base Brea (lc=100uAdc, l∈=0)	0	25		Vdc
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage		18		Vdc
V <sub>(BR)EBO</sub>	Emitter-Base Breakdown Voltage (L=100uAdc, L=0)		4.0		Vdc
Сво	Collector Cutoff Current (V <sub>CB</sub> =20Vdc, <u></u> =0)			0.1	uAdc
ICEO	Collector Cutoff Current (V <sub>CE</sub> =15Vdc, <sub>B</sub> =0)			0.1	uAdc
Ево	Emitter Cutoff Current (V <sub>EB</sub> =3.0Vdc, <u></u> =0)			0.1	uAdc
ON CHARAC	TERISTICS				
h <sub>FE</sub>	DC Current Gain (L=1.0mAdc, V <sub>CE</sub> =5.0Vdc)		28	270	
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage			0.5	Vdc
V <sub>BE(sat)</sub>	Base-Emitter Saturation Voltage (t_=10mAdc, t <sub>B</sub> =1.0mAdc)			1.4	Vdc
SMALL-SIG	NAL CHARACTERISTIC	S			
f <sub>T</sub>	Transistor Frequency (ᡶ=5.0mAdc, V <sub>CE</sub> =5.0Vdc, f=400MHz)		600		MHz
CLASSIFIC	ATION OF H FE				
Rank	G H		I		
Range	70-108 97-146		130-198		



S9018-G

S9018-H

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: 100Kpcs/Carton	

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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