

Micro Commercial Components



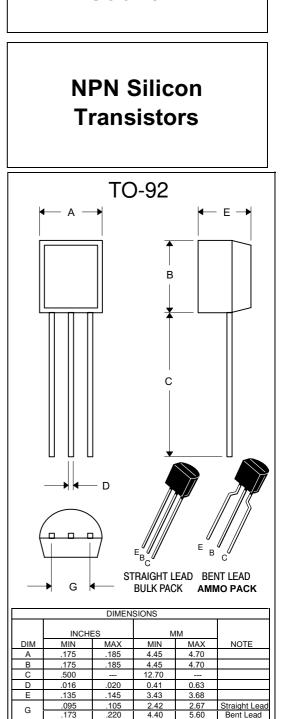
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Features

- 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	Param	Parameter		Max	Units	
OFF CHARA	CTERISTICS					
V _{(BR)CBO}	Collector-Base Breakdown Voltage (h=100µAdc, k=0)		25		Vdc	
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage		18		Vdc	
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (上=100µAdc, l _c =0)		4.0		Vdc	
Сво	Collector Cutoff Current (V _{CB} =20Vdc, <u></u> =0)			0.1	µAdc	
ICEO	Collector Cutoff Current (V _{CE} =15Vdc, <u>b</u> =0)			0.1	µAdc	
ЕВО	Emitter Cutoff Current (V _{EB} =3.0Vdc, <u></u> =0)			0.1	µAdc	
ON CHARAC	TERISTICS					
h_{FE}	DC Current Gain (L=1.0mAdc, V _{CE} =5.0Vdc)		28	270		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (L=10mAdc, L=1.0mAdc)			0.5	Vdc	
$V_{\text{BE(sat)}}$	Base-Emitter Saturation Voltage (t=10mAdc, t _B =1.0mAdc)			1.4	Vdc	
SMALL-SIG	NAL CHARACTERISTICS	5				
f _T	Transistor Frequency (੮=5.0mAdc, V _{CE} =5.0Vdc, f=400MHz)		600		MHz	
CLASSIFIC	ATION OF H FE					
Rank	G H					
Range	70-108	97-146		130-198		



S9018-G

S9018-H

S9018-I

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

www.mccsemi.com



Ordering Information :

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

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

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