

**Micro Commercial Components** 



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## **Features**

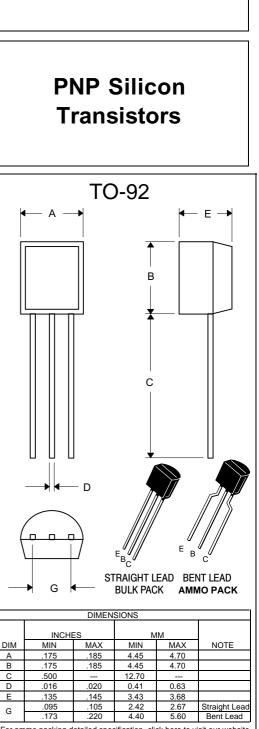
- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.45Watts(Tamb=25<sup>o</sup>C) of Power Dissipation.
- Collector-current -0.1A
- Collector-base Voltage -50V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking: S9015
- Lead Free Finish/RoHS Compliant ("P" Suffix designates 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		
OFF CHARACTERISTICS						
V <sub>(BR)CBO</sub>	Collector-Base Breakdown Voltage (l <sub>c</sub> = -100µAdc, l <sub>∈</sub> =0)	-50		Vdc		
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage (L= -1.0mAdc, I <sub>B</sub> =0)	-45		Vdc		
V <sub>(BR)EBO</sub>	Emitter-Base Breakdown Voltage (l₌ -100µAdc, l <sub>c</sub> =0)	-5.0		Vdc		
Ісво	Collector Cutoff Current (V <sub>CB</sub> = -50Vdc, <u>k</u> =0)		-0.05	µAdc		
Ево	Emitter Cutoff Current (V <sub>EB</sub> = -5.0Vdc, I <sub>C</sub> =0)		-0.05	µAdc		
ON CHARAC	TERISTICS					
h <sub>FE</sub>	DC Current Gain (t <sub>c</sub> = -1.0mAdc, V <sub>CE</sub> = -5.0Vdc)	60	1000			
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage (t= -100mAdc, t₂= -10mAdc)		-0.3	Vdc		
V <sub>BE(sat)</sub>	Base-Emitter Saturation Voltage (t <sub>c</sub> = -100mAdc, t <sub>s</sub> = -10mAdc)		-1.0	Vdc		
SMALL-SIG	SMALL-SIGNAL CHARACTERISTICS					
f⊤	Transistor Frequency (L=-10mAdc, V <sub>CE</sub> =-5.0Vdc, f=30MHz)	150		MHz		

#### **CLASSIFICATION OF H**FE

Rank	В	С	D			
Range	100-300	200-600	400-1000			



S9015-B

S9015-C

S9015-D

\* 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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