

Micro Commercial Components



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Features

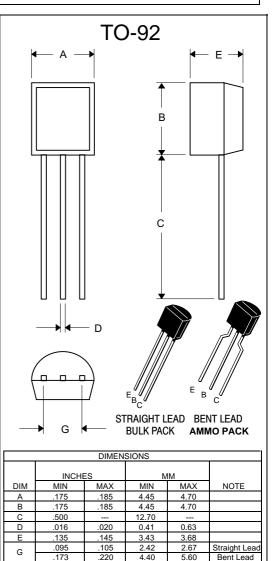
- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.4Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.1A
- Collector-base Voltage 50V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking : S9014
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. 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 CHARA	CTERISTICS				
V _{(BR)CBO}	Collector-Base Breakdown	n Voltage	50		Vdc
	(l _c =100uAdc, l _∈ =0)				
V _{(BR)CEO}	Collector-Emitter Breakdov	wn Voltage	45		Vdc
	(l _c =0.1mAdc, l _b =0)				
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage		5.0		Vdc
	(l _E =100uAdc, l _C =0)				
І _{сво}	Collector Cutoff Current -			0.1	uAdc
	(V _{CB} =50Vdc, I _E =0)				
I _{CEO}	Collector Cutoff Current			0.1	uAdc
	(V _{CE} =35Vdc, I _B =0)				
I _{EBO}	Emitter Cutoff Current			0.1	uAdc
	(V _{EB} =3.0Vdc, I _C =0)				
ON CHARAC	TERISTICS				
h _{FE}	DC Current Gain		60	1000	
	(L=1.0mAdc, V _{CE} =5.0Vdc)				
V _{CE(sat)}	Collector-Emitter Saturation Voltage			0.3	Vdc
. ,	(l _c =100mAdc, l _a =5.0mAdc)				
V _{BE(sat)}	Base-Emitter Saturation Voltage			1.0	Vdc
	(l _c =100mAdc, l₃=5.0mAd	lc)			
SMALL-SIG	NAL CHARACTERISTICS				
f _T	Transistor Frequency		150		MHz
	(L=10mAdc, V _{CE} =5.0Vdc, f=30MHz)				
CLASSIFICA	TION OF H _{FE}				
Rank	В	С		D	
Range	100-300	200-600		400-1000	

S9014-B S9014-C S9014-D

NPN Silicon Transistors



* For amor 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: 100Kpcs/Carton		

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

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