

Micro Commercial Components

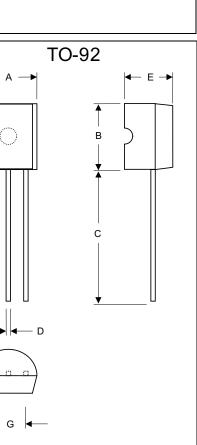
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.625Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.5A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking : S9012
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1



Symbol	Parameter		Min	Max	Units	
OFF CHARA	CTERISTICS					
V _{(BR)CBO}	Collector-Base Bre (l _c =100uAdc, l _e =	40		Vdc		
V _{(BR)CEO}	Collector-Emitter B (L=0.1mAdc, I _B =	25		Vdc		
V _{(BR)EBO}	Emitter-Base Break (l _E =100uAdc, l _C =	5.0		Vdc		
I _{CBO}	Collector Cutoff Cu (V _{CB} =40Vdc, <u>k</u> =4		0.1	uAdc		
I _{CEO}	Collector Cutoff Cu (V _{CE} =20Vdc, J _B =		0.2	uAdc		
I _{EBO}	Emitter Cutoff Current (V_{EB} =5.0Vdc, b_{E} =0)			0.1	uAdc	
ON CHARAC	TERISTICS					
h _{FE(1)}	DC Current Gain (t=1mAdc, V _{CE} =4.0Vdc)		64	400		
h _{FE(2)}	DC Current Gain (L=500mAdc, Vo	40				
V _{CE(sat)}	Collector-Emitter Saturation Voltage			0.6	Vdc	
V _{BE(sat)}	Base-Emitter Saturation Voltage			1.2	Vdc	
V _{EB}	Base- Emitter Voltage (t=100mAdc)			1.4	Vdc	
SMALL-SIG	NAL CHARACTERISTI	CS				
f _T	Transistor Frequer		150		MHz	
CLASSIFIC	ATION OF HEELD					
Rank	G	Н				
Range	112 -166	144 -202	190 -300			



S9012

S9012-G

S9012-H

S9012-I

PNP Silicon

Transistors

DIMENSIONS							
	INCHES		MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
А	.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	.010	.104	2.44	2.64			

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Ordering Information

Device	Packing	
(Part Number)-AP	Tape&Reel2Kpcs/Box	
(Part Number)-BP	Bulk;1Kpcs/Bag	

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