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Micro Commercial Components

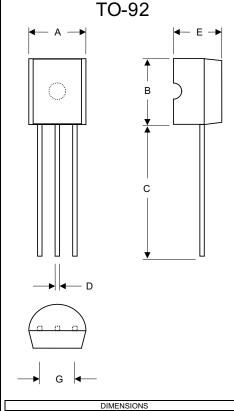
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 S9012-G S9012-H S9012-I

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)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

PNP Silicon Transistors



	DIMENSIONS					
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.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		
E	.130	.160	3.30	3.96		
G	.096	.104	2.44	2.64		
		•		•		

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (b=100uAdc, l=0)	40		Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (k=0.1mAdc, k=0)			Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (_E =100uAdc, _{I_C=0)}	5.0		Vdc
І _{сво}	Collector Cutoff Current (V _{CB} =40Vdc, ½=0)		0.1	uAdc
I _{CEO}	Collector Cutoff Current (V _{CE} =20Vdc, _b =0)		0.2	uAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, ├=0)		0.1	uAdc
ON CHARACTERISTICS				

h _{FE(1)}	DC Current Gain	64	400	
	(b=1mAdc, V _{CE} =4.0Vdc)			
h _{FE(2)}	DC Current Gain			
	(├=500mAdc, V _{CE} =1.0Vdc)			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		0.6	Vdc
	(l _c =500mAdc, l _B =50mAdc)			
V _{BE(sat)}	(sat) Base-Emitter Saturation Voltage		1.2	Vdc
	(l_c =500mAdc, l_B =50mAdc)			
V _{EB}	Base- Emitter Voltage		1.4	Vdc
	(<u></u> =100mAdc)			

SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency	150		MHz
	($b=20$ mAdc, $V_{CE}=6.0$ Vdc, $f=30$ MHz)			

CLASSIFICATION OF HEED

Rank	G	Н		
Range	112 -166	144 -202	190 -300	

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Ordering Information:

Device	Packing	
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box	
Part Number-BP	Bulk: 100Kpcs/Carton	

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