



Micro Commercial Components 20736 Marilla Street Chatsworth

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Features

- 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
- General Purpose Switching and Amplification
- Capable of 0.8Watts of Power Dissipation.
- Collector-current 0.7A
- Collector-base Voltage 80V
- Marking : C1008

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARACTERISTICS					
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage* 60 (I _C =10mAdc, I _B =0)		Vdc		
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100uAdc, I _E =0)	80		Vdc	
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =10uAdc, I _C =0)	8		Vdc	
Сво	Collector Cutoff Current (V _{CB} =60Vdc, ½=0Adc)		0.1	uAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, ξ =0Adc)		0.1	uAdc	

ON CHARACTERISTICS

ON CHAIRCIEN CONTRACTOR					
h _{FE}	DC Current Gain*				
	(├=50mAdc, V _{CE} =2.0Vdc)	40	400		
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage				
	(l_c =500mAdc, l_B =50mAdc)		0.4	Vdc	
V _{BE(sat)}	Base-Emitter Saturation Voltage				
	(l_c =500mAdc, l_B =50mAdc)		1.1	Vdc	
C _{ob}	Collector Output Capacitance	Ту	Тур 8		
	(V _{CB} =10Vdc,Ic=0,f=1MHz)				

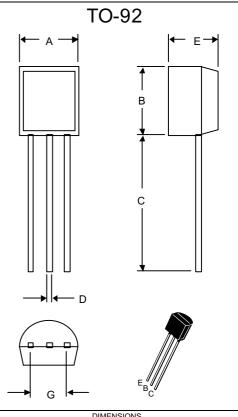
SMALL-SIGNAL CHARACTERISTICS

_				
	f_T	Transistor Frequency		
ļ		(b=50mAdc, V _{CE} =10Vdc)	30	MHz

CLASSIFICATION OF HEED

Rank	R	0	Υ	G
Range	40-80	70-140	120-240	200-400

NPN Silicon Epitaxial Transistor



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	.010	.104	2.44	2.64	
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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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