

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Capable of 0.6Watts of Power Dissipation.
- Collector-current 0. 7A
- Collector-base Voltage 30V
- Operating and storage junction temperature range: -55°C to +150°C
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Marking: C2001

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARAC	OFF CHARACTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =10mAdc, _b =0)	25		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100uAdc, I _E =0)	30		Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =100uAdc, I _C =0)	5.0		Adc	
I _{CBO}	Collector Cutoff Current (V _{CB} =30Vdc, I _E =0)		0.1	uAdc	
I _{CEO}	Collector Cutoff Current (V _{CE} =20Vdc,		0.1	Vdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, I _C =0)		0.1	uAdc	

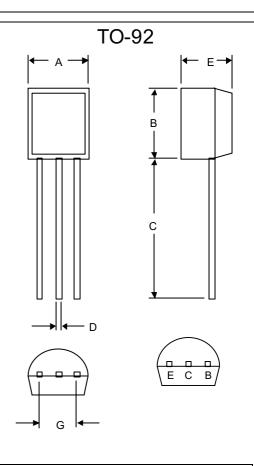
ON CHARACTERISTICS

h _{FE}	DC Current Gain	90	400	
	(I _C =100mAdc, V _{CE} =1.0Vdc)			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		0.6	Vdc
oz(odi)	(I _c =700mAdc, l _B =70mAdc)			
V _{(BE)sat}	Base-Emitter Saturation Voltage		1.2	Vdc
(52)041	(I _c =700mAdc, l _B =70mAdc)			
fT	Transition Frequency	50		MHz
	$(V_{CE}=6.0Vdc, I_{C}=10mAdc, f=30MHz)$			

CLASSIFICATION OF He

Rank	M	L	K
Range	90-180	135-270	200-400

NPN Silicon Plastic-Encapsulate Transistor



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.170	.190	4.33	4.83	
В	.170	.190	4.30	4.83	
O	.550	.590	13.97	14.97	
D	.010	.020	0.36	0.56	
Е	.130	.160	3.30	3.96	
O	.010	.104	2.44	2.64	



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