

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 M28S-B M28S-C M28S-D

Features

- Capable of 0.625Watts of Power Dissipation.
- Collector-current 1.0A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Marking: M28S X
- Halogen free available upon request by adding suffix "-HF"

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 =1.0mAdc, I _B =0)	20		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I $_{\rm C}$ =0.1mAdc, I $_{\rm E}$ =0)	40		Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I $_{\rm E}$ =0.1mAdc, I $_{\rm C}$ =0)	6.0		Adc	
I _{CBO}	Collector Cutoff Current (V _{CB} =40Vdc, I _E =0)		1.0	uAdc	
I _{CEO}	Collector Cutoff Current (V _{CE} =20Vdc,		5.0	Vdc	
l _{EBO}	Emitter Cutoff Current (V _{EB} =5.0Vdc, b=0)		0.1	uAdc	

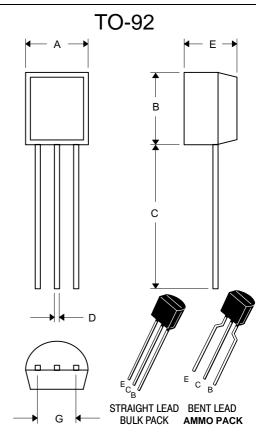
ON CHARACTERISTICS

h _{FE-1}	DC Current Gain	290	1000	
	$(I_C=1.0 \text{mAdc}, V_{CE}=1.0 \text{Vdc})$			
h _{FE-2}	DC Current Gain		1000	
	$(I_C=100 \text{mAdc}, V_{CE}=1.0 \text{Vdc})$			
h _{FE-3}	DC Current Gain	300	1000	
	$(I_C=300 \text{mAdc}, V_{CE}=1.0 \text{Vdc})$			
h _{FE-4}	DC Current Gain	300	1000	
	$(I_C=500 \text{mAdc}, V_{CE}=1.0 \text{Vdc})$			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		0.55	Vdc
	(I _C =600mAdc, _b =20mAdc)			
f _T	Transition Frequency	100		MHz
	(V _{CE} =10Vdc, I _C =50mAdc, f=30MHz)			

CLASSIFICATION OF H

1	Rank	В	С	D
	Range	300-550	500-700	650-1000

NPN Silicon Plastic-Encapsulate Transistor



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
O	.500		12.70		
D	.016	.020	0.41	0.63	
Е	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
G	.173	.220	4.40	5.60	Bent Lead

For ammo packing detailed specification, click here to visit our website of product packaging for details.



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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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