



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

2SA1083-D 2SA1083-E

Features

- Capable of 0.4Watts of Power Dissipation.
- Collector-current: -0.1A
- Collector-base Voltage: -60V
- 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 Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARAC	CTERISTICS			
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	ge -60 Vdc		Vdc
	(l _c =-1.0mAdc, l _B =0)			
V _{(BR)CBO}	Collector-Base Breakdown Voltage	-60		Vdc
` '	(l _c =-10µAdc, l _∈ =0)			
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	-5		Vdc
	(l _E =-10µAdc, l _C =0)			
Сво	Collector Cutoff Current		-0.1	μAdc
	(V _{CB} =-50Vdc, l _E =0)			
I _{EBO}	Emitter Cutoff Current		-0.1	μAdc
	(V _{EB} =-2.0Vdc, I _C =0)			-

ON CHARACTERISTICS

h _{FE}	DC Current Gain	250 800		
	(b=-2.0mAdc, V _{CE} =-12.0Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	0.2		Vdc
,	(b=-10mAdc, b=-1mAdc)			
V_{BE}	Base-Emitter Voltage	-0.6(TYP)		Vdc
	(l _c =-2.0mAdc, V _{CE} =-12.0Vdc)			

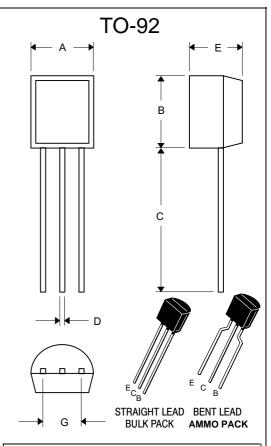
SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency (b=-2.0mAdc, Vc=-12.0Vdc)	90(TYP)	MHz
С _{ОВ}	Collector Output Capacitance (V _{CB} =-10Vdc, I _E =0,f=1MHz)	3.5(TYP)	pF

CLASSIFICATION OF Hetto

Rank	D	E
Range	250-500	400-800

PNP Silicon Plastic-Encapsulate Transistor



DIMENSIONS					
	INCHI	ES	MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.169	.185	4.30	4.70	
В	.169	.185	4.30	4.70	
С	.500		12.70		
D	.015	.022	0.38	0.55	
ш	.130	.146	3.30	3.70	
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.



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-BP-HF

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