imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

Features

- Halogen free available upon request by adding suffix "-HF" 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
- Capable of 300mWatts of Power Dissipation .
- Marking:2A

Maximum Ratings

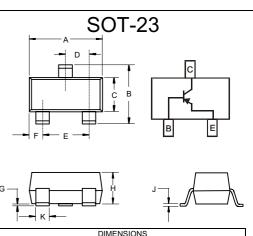
Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	-40	V
V _{CBO}	Collector-Base Voltage	-40	V
V _{EBO}	Emitter-Base Voltage	-5.0	V
l _c	Collector Current, Continuous	-0.2	A
P₀	Power Dissipation	0.3	W
TJ	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

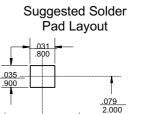
Symbol	1	arameter	Min	Max	Units
V _{(BR)CEO}	Collector-Emitte	r Breakdown Voltage*	-40	max	Vdc
V _{(BR)CBO}	(I _c =-1.0mAdc, Collector-Base (I _c =-10μAdc, I	Breakdown Voltage	-40		Vdc
V _{(BR)EBO}	Emitter-Base Br (I _E =-10µAdc, I		Vdc		
I _{CBO}	Collector cut-off (V _{CB} =-40Vdc,	Current		-0.1	uAdc
I _{CEX}	Collector Cut-of (V _{CE} =-30Vdc,			-50	nAdc
I _{EBO}	Emitter cut-off C (V _{EB} =-5Vdc, I _c			-0.1	uAdc
h _{FE}	DC Current Gai (I _c =-10mAdc, (I _c =-50mAdc, (I _c =-100mAdc	100 60 30	300		
V _{CE(sat)}	Collector-Emitte (I _c =-10mAdc, (I _c =-50mAdc,			-0.25 -0.4	Vdc
V _{BE(sat)}	Base-Emitter S (I _c =-10mAdc, (I _c =-50mAdc,		-0.65	-0.85 -0.95	Vdc
Cobo	Outpuut Capaci (VcB=-5.0Vdc		4.5	pF	
Cibo	Inpuut Capacita (V _{EB} =-0.5Vdc,	nce f=1.0MHz,I _C =0)		10	pF
f _T	Current Gain-B (I _c =-10mAdc,	250		MHz	
NF	Noise Figure (Vce=-5.0V, f=1	4.0	dB		
SWITCHIN	G CHARACTERIS	FICS			
t _d	Delay Time	/dc	35	ns	
t _r	Rise Time	I _C =-10mAdc, I _{B1} =-1.0mA		35	ns
ts	Storage Time	(V _{cc} =-3.0Vdc, I _c =-10mA	dc	225	ns
t _f	Fall Time	I _{B1} =I _{B2} =-1.0mAdc)		75	ns

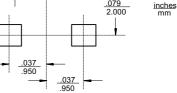
MMBT3906

PNP General Purpose Amplifier



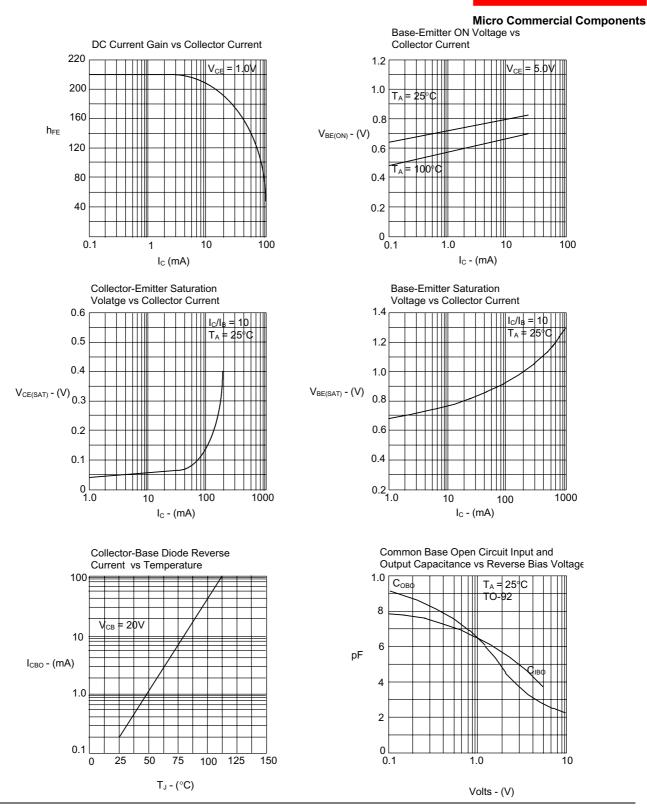
	DIMENSIONS									
	INCH	ES	Ν							
DIM	MIN	MAX	MIN	MAX	NOTE					
Α	.110	.120	2.80	3.04						
В	.083	.104	2.10	2.64						
С	.047	.055	1.20	1.40						
D	.035	.041	.89	1.03						
E	.070	.081	1.78	2.05						
F	.018	.024	.45	.60						
G	.0005	.0039	.013	.100						
Н	.035	.044	.89	1.12						
J	.003	.007	.085	.180						
К	.015	.020	.37	.51						





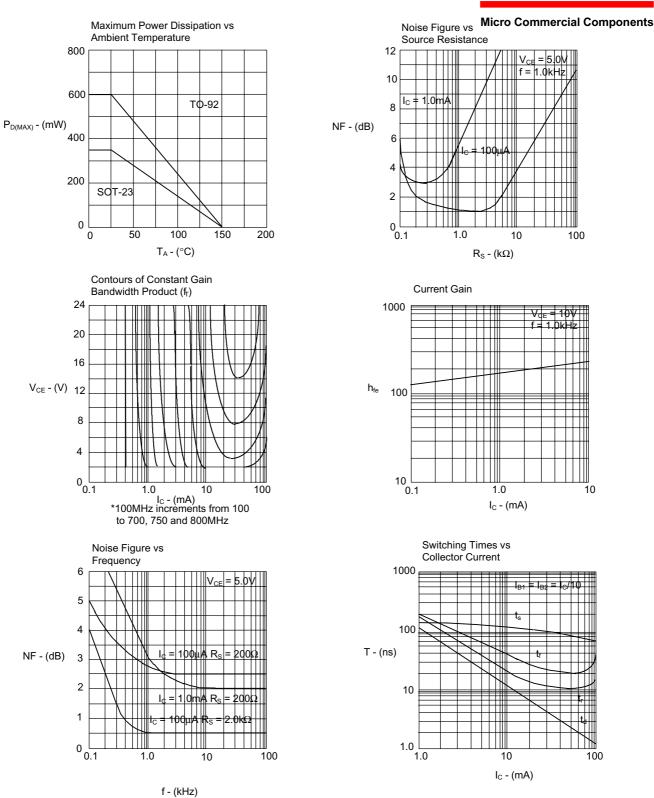
MMBT3906





MMBT3906



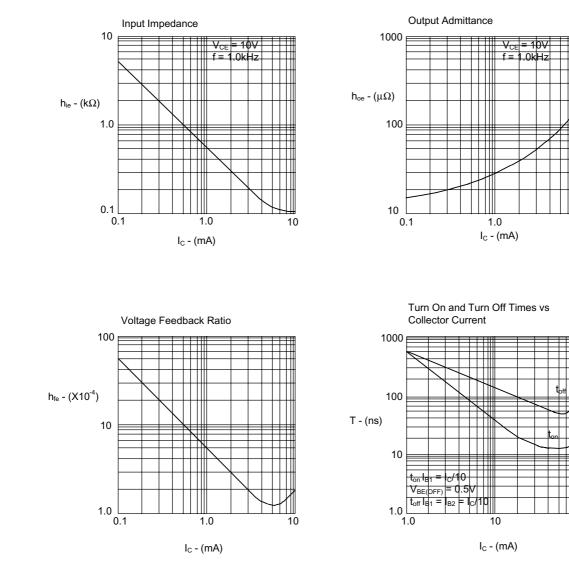


MMBT3906



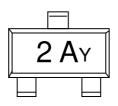
10

100





Marking Information



2A = Product Type Marking Code Y=Date Code Marking

Date code Key (2 years a cycle)

Year	2011											
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Code	J	0	L	С	K	В	Р	D	М	E	G	F

Year	2012											
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Code	W	N	Y	Т	R	Н	А	I	U	Х	Z	S



Ordering Information :

Device	Packing				
Part Number-TP	Tape&Reel 3 Kpcs/Reel				

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

*****IMPORTANT NOTICE*****

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