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)
- Ideal for Low Power Amplification and Switching
- Ultra-small Surface Mount Package
- Epitaxial Planar Die Construction
- Epoxy meets UL 94 V-0 flammability rating

Moisure Sensitivity Level 1 Marking:K3N Maximum Ratings @ 25°C Unless Otherwise Specified

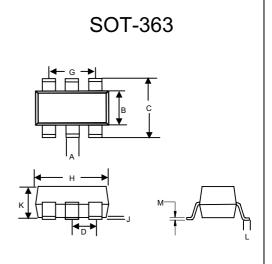
Symbol	Rating	Rating(PNP)	Unit		
V _{CEO}	Collector-Emitter Voltage	-40	V		
V _{CBO}	Collector-Base Voltage	-40	V		
V _{EBO}	Emitter-Base Voltage	-5	V		
lc	Collector Current-Continuous	-0.2	Α		
Pc	Collector Dissipation	0.2	W		
TJ	Operating Junction Temperature	-55 to +150	°C		
T _{STG}	Storage Temperature	-55 to +150	°C		

Electrical Characteristics @ 25°C Unless Otherwise Specified

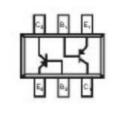
	Liecti ital cilai actei 131123 @ 23 C Ville33 Villei M136 Specificu						
Symbol		Min	Max	Units			
$V_{(BR)CEO}$	Collector-Emitter (I _C =-1mAdc, I _B	-40		Vdc			
V _{(BR)CBO}	Collector-Base E (I _C =-10uAdc, I _E	-40		Vdc			
$V_{(BR)EBO}$	Collector-Emitter (I _E =-10uAdc, I _c	-5		Vdc			
I _{CBO}	Collector Cutoff (V _{CB} =-30Vdc,I		-50	nAdc			
I _{EBO}	Emitter Cutoff C (V _{EB} =-5Vdc,I _C :		-50	nAdc			
h _{FE}	DC Current Gair $(I_c=-0.1 \text{ mAdc},$ $(I_c=-1 \text{ mAdc}, V)$ $(I_c=-10 \text{ mAdc},$ $(I_c=-50 \text{ mAdc},$ $(I_c=-100 \text{ mAdc})$	40 70 100 60 30	 300 				
V _{CE(sat)}	Collector-Emitte (I _C =-10mAdc, I (I _C =-50mAdc,		-0.25 -0.4	Vdc			
$V_{BE(sat)}$	Base-Emitter Saturation Voltage (I _c =-10mAdc, I _B =-1mAdc) (I _c =-50mAdc, I _B =-5mAdc)		-0.65	-0.85 -0.95	Vdc		
f _T	Current Gain-Bandwidth Product (V _{CE} =-20Vdc, I _C =-10mAdc, f=100MHz)		250		MHz		
C _{ob}	Output Capacitance (V _{CB} =-5Vdc, f=1.0MHz, I _E =0)			4.5	pF		
NF	Noise Figure (V_{CE} =-5V,I _C =-0.1mA, f=1KHz, R _S =1k Ω)			4	dB		
t _d	Delay Time	V _{CC} =-3V,I _C =-10mA,		35	ns		
tr	Rise Time	V_{BE} =-0.5V, I_{B1} =- I_{B2} =-1mA		35	ns		
ts	Storage Time	$V_{CC}=-3V$, $I_{C}=-10mA$,		225	ns		
t _f	Fall Time	$I_{B1}=-I_{B2}=-1$ mA		75	ns		

PNP Small Signal Surface Mount Transistors

MMDT3906



	DIMENSIONS						
	INCH	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.006	.014	0.15	0.35			
В	.045	.053	1.15	1.35			
С	.085	.096	2.15	2.45			
D	.026		0.65Nominal				
G	.047	.055	1.20	1.40			
Н	.071	.087	1.80	2.20			
J		.004		0.10			
K	.035	.043	0.90	1.10			
L	.010	.018	0.26	0.46			
М	.003	.006	0.08	0.15			



-www.mccsemi.com



Ordering Information :

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

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

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