

Micro Commercial Components



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

MMBT4403

PNP General

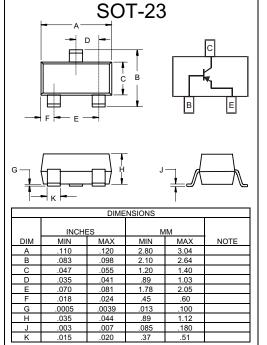
Purpose Amplifier

Features

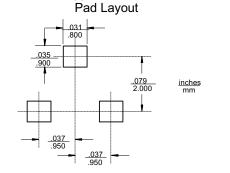
- Operating and Storage Junction Temperatures: -55°C to 150°C •
- Capable of 350mWatts of Power Dissipation •
- Surface Mount SOT-23 Package
- Ic=-600mA
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking:2T/M3A

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Pa	arameter	Min	Max	Units
OFF CHARA	CTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage* (I _C =1.0mAdc, I _B =0)		40		Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100µAdc, I _E =0)		40		Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =100µAdc, I _C =0)		5.0		Vdc
I _{BL}	Base Cutoff Current (V _{CE} =30Vdc, V _{BE} =3.0Vdc)			0.1	μAdc
I _{CEX}	Collector Cutoff Current (V_{CE} =30Vdc, V_{BE} =3.0Vdc)			0.1	μAdc
ON CHARAC	TERISTICS				
h _{FE}	DC Current Gain* (I _C =0.1mAdc, V _{CE} =1.0Vdc) (I _C =1.0mAdc, V _{CE} =1.0Vdc) (I _C =10mAdc, V _{CE} =1.0Vdc) (I _C =150mAdc, V _{CE} =2.0Vdc) (I _C =500mAdc, V _{CE} =2.0Vdc)		30 60 100 100 20	300	
V _{CE(sat)}	(I _C =500mAdc, V _{CE} =2.0Vdc) Collector-Emitter Saturation Voltage (I _C =150mAdc, I _B =15mAdc) (I _C =500mAdc, I _B =50mAdc)		20	0.4 0.75	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I_c =150mAdc, I_B =15mAdc) (I_c =500mAdc, I_B =50mAdc)		0.75	0.95 1.30	Vdc
SMALL-SIG	NAL CHARACTERI	STICS			
f _T	Current Gain-Bandwidth Product (I _C =20mAdc, V _{CE} =10Vdc, f=100MHz)		200		MHz
C _{cb}	Output Capacitance (V _{CB} =10Vdc, I _E =0, f=1.0MHz)			8.5	pF
C _{eb}	Input Capacitance (V _{EB} =0.5Vdc, I _C =0, f=1.0MHz)			30.0	pF
SWITCHIN	<u>G CHARACTERIST</u>	ICS			
t _d	Delay Time (V _{CC} =3.0Vdc, V _{BE} =2.0Vc			15	ns
tr	Rise Time	, .		20	ns
ts	Storage Time	$(V_{cc}=3.0Vdc, I_c=150mAdc)$		225	ns
t _f	Fall Time 1 ≤ 300µs, Duty Cy	01 02		30	ns



Suggested Solder



www.mccsemi.com

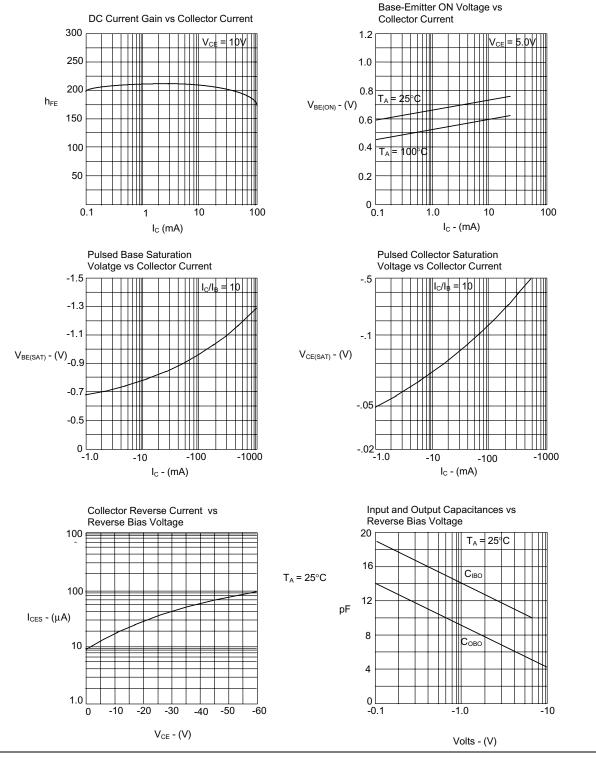
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2011/01/01

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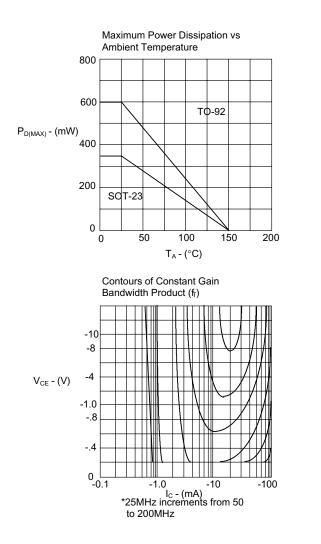


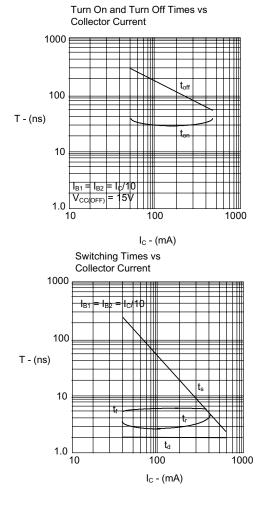
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Ordering Information :

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

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