



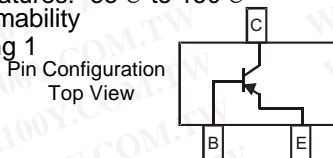
Micro Commercial Components

Micro Commercial Components
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 CA 91311
 Phone: (818) 701-4933
 Fax: (818) 701-4939

MMBT2907A

Features

- Surface Mount SOT-23 Package
- Capable of 350mWatts of Pd, 600mA continuous collector current.
- Operating and Storage Junction Temperatures: -55°C to 150°C
- Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1
- Marking : 2F



PNP General Purpose Amplifier

Electrical Characteristics @ 25°C Unless Otherwise Specified

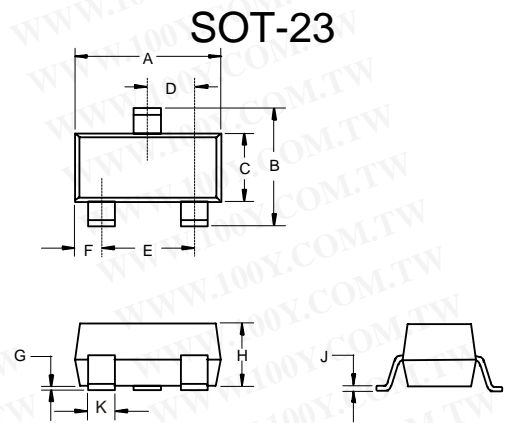
Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emmitter Breakdown Voltage* ($I_C=10\text{mAdc}$, $I_B=0$)	60		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=10\mu\text{Adc}$, $I_E=0$)	60		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=10\mu\text{Adc}$, $I_C=0$)	5.0		Vdc
I_{BL}	Base Cutoff Current ($V_{CE}=30\text{Vdc}$, $V_{BE}=0.5\text{Vdc}$)		50	nAdc
I_{CEX}	Collector Cutoff Current ($V_{CE}=30\text{Vdc}$, $V_{BE}=0.5\text{Vdc}$)		50	nAdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=50\text{Vdc}$, $I_E=0$) ($V_{CB}=50\text{Vdc}$, $I_E=0$, $T_A=150^\circ\text{C}$)		0.1 10.0	μAdc
ON CHARACTERISTICS				
h_{FE}	DC Current Gain* ($I_C=0.1\text{mAdc}$, $V_{CE}=10\text{Vdc}$) ($I_C=1.0\text{mAdc}$, $V_{CE}=10\text{Vdc}$) ($I_C=10\text{mAdc}$, $V_{CE}=10\text{Vdc}$) ($I_C=150\text{mAdc}$, $V_{CE}=10\text{Vdc}$) ($I_C=500\text{mAdc}$, $V_{CE}=10\text{Vdc}$)	75 100 100 100 50	300	
$V_{CE(sat)}$	Collector-Emmitter Saturation Voltage ($I_C=150\text{mAdc}$, $I_B=15\text{mAdc}$) ($I_C=500\text{mAdc}$, $I_B=50\text{mAdc}$)		0.4 1.6	Vdc
$V_{BE(sat)}$	Base-Emmitter Saturation Voltage ($I_C=150\text{mAdc}$, $I_B=15\text{mAdc}$) ($I_C=500\text{mAdc}$, $I_B=50\text{mAdc}$)		1.3 2.6	Vdc

DIM	INCHES	MM	NOTE
A	.110	.120	2.80 3.04
B	.083	.098	2.10 2.64
C	.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
H	.035	.044	.89 1.12
J	.003	.007	.085 .180
K	.015	.020	.37 .51

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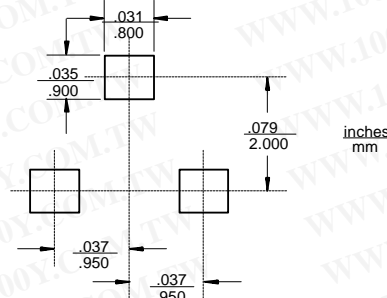
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*Pulse Width $\leq 300\mu\text{s}$, Duty Cycle $\leq 2.0\%$

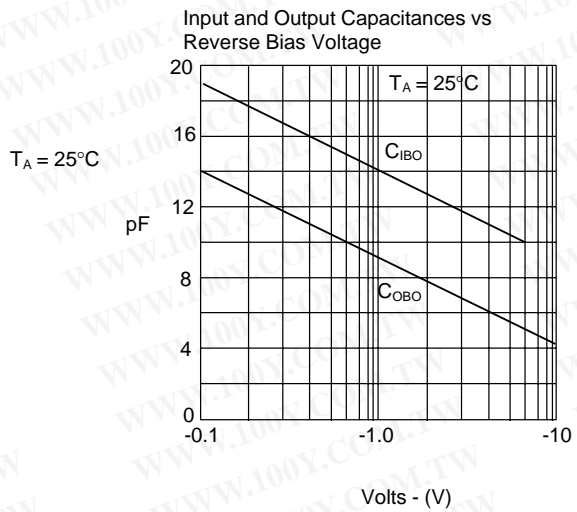
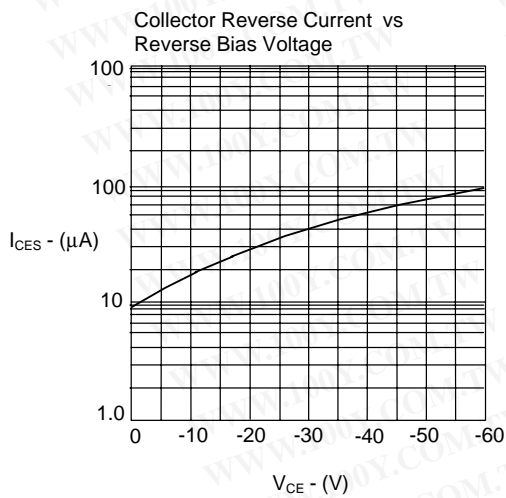
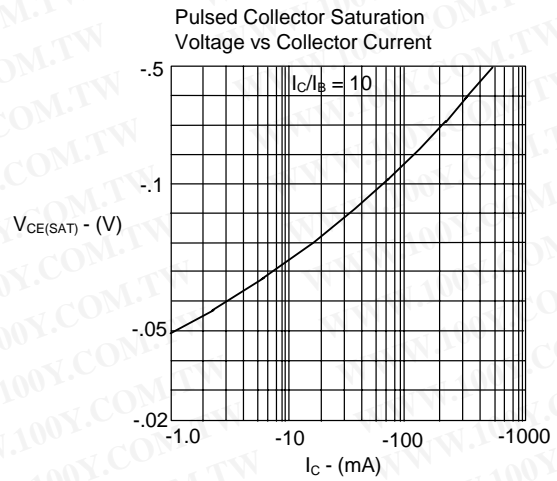
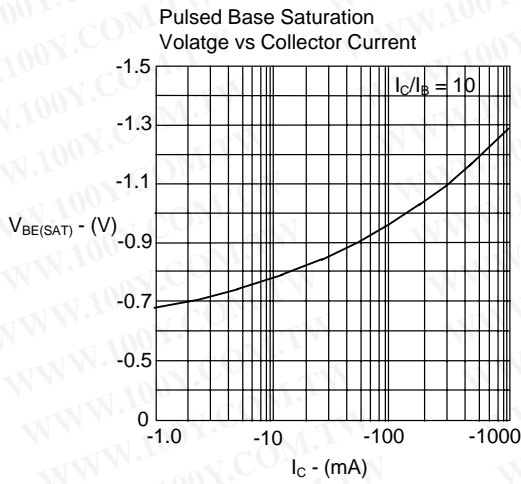
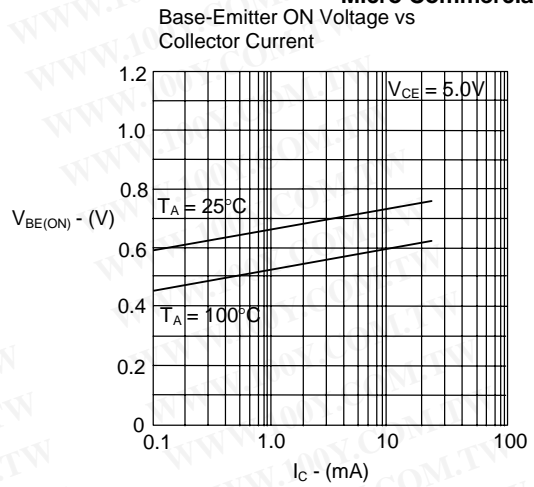
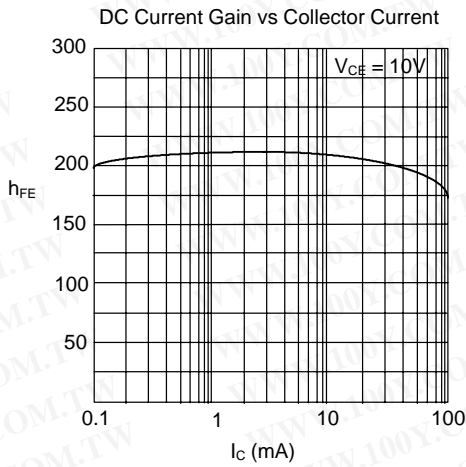


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Suggested Solder Pad Layout



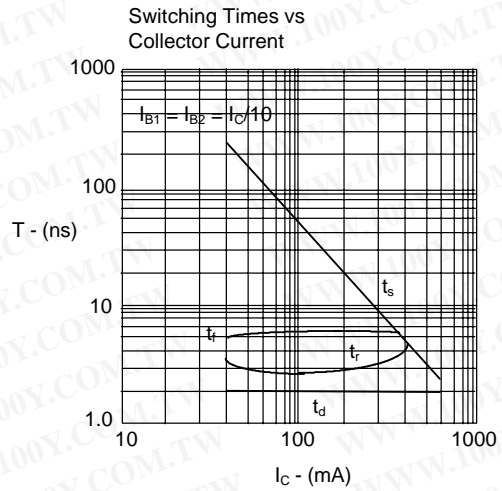
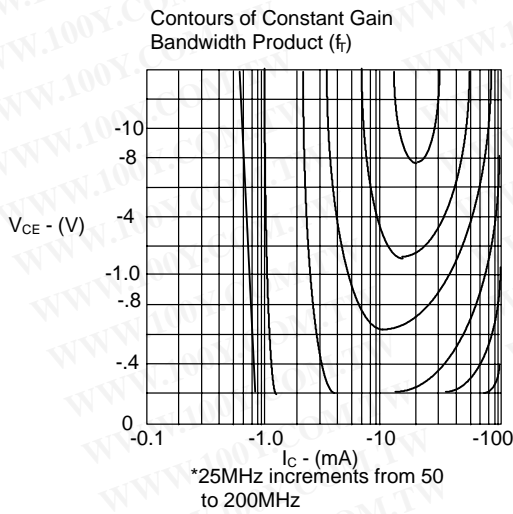
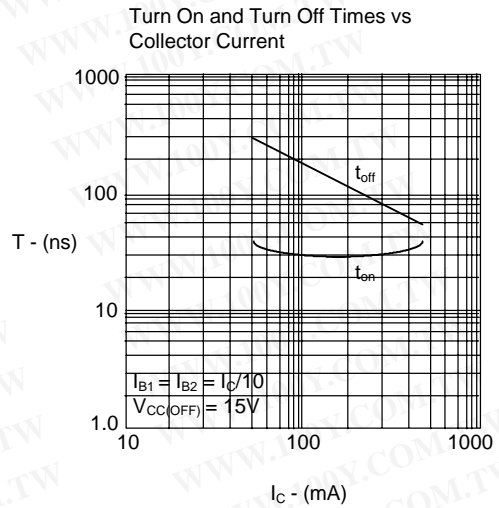
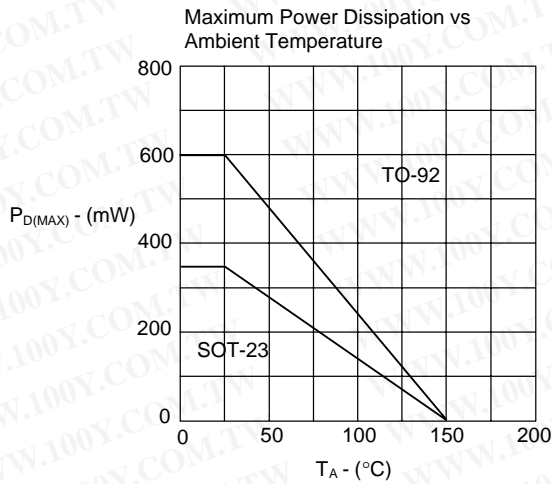
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Ordering Information

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

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