

Micro Commercial Components



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

Features

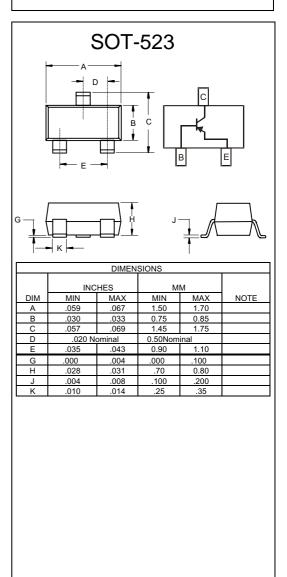
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Capable of 150mWatts of Power Dissipation
- Operating and Storage Junction Temperatures -55 $^\circ\!\!\!C$ to 150 $^\circ\!\!\!C$
- Collector Current: -0.6A
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Marking:2F
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

OFF CHARACT V(BR)CEO V(BR)CBO V(BR)EBO Icbo Iebo ON CHARACT	$\begin{array}{l} \label{eq:constraint} Collector-Emitter Breakdown Voltage* \\ (I_c=-10mAdc, I_B=0) \\ \hline Collector-Base Breakdown Voltage \\ (I_c=-10\muAdc, I_c=0) \\ \hline Emitter-Base Breakdown Voltage \\ (I_E=-10\muAdc, I_c=0) \\ \hline Collector Cut-off Current \\ (V_{CB}=-50Vdc, I_E=0) \\ \hline Emitter Cut-off Current \\ (V_{EB}=-4Vdc, I_C=0) \\ \hline \end{array}$	-60 -60 -5.0	-10 -10	Vdc Vdc Vdc nAdc nAdc
V _{(BR)CBO} V _{(BR)EBO} I _{CBO} I _{EBO}	$\begin{array}{c} (I_c=-10 \text{mAdc}, I_B=0) \\ \hline \text{Collector-Base Breakdown Voltage} \\ (I_c=-10 \mu \text{Adc}, I_E=0) \\ \hline \text{Emitter-Base Breakdown Voltage} \\ (I_E=-10 \mu \text{Adc}, I_c=0) \\ \hline \text{Collector Cut-off Current} \\ (V_{CB}=-50 \text{Vdc}, I_E=0) \\ \hline \text{Emitter Cut-off Current} \\ (V_{EB}=-4 \text{Vdc}, I_c=0) \\ \hline \text{ERISTICS} \\ \hline \text{DC Current Gain}^* \end{array}$	-60		Vdc Vdc nAdc
V _{(BR)EBO} I _{CBO} I _{EBO}	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$			Vdc nAdc
I _{CBO}	$(l_{E}=-10\mu Adc, l_{C}=0)$ Collector Cut-off Current $(V_{CB}=-50Vdc, l_{E}=0)$ Emitter Cut-off Current $(V_{EB}=-4Vdc, l_{C}=0)$ ERISTICS DC Current Gain*	-5.0		nAdc
I _{EBO}	$(V_{CB}=-50Vdc, I_{E}=0)$ Emitter Cut-off Current $(V_{EB}=-4Vdc, I_{C}=0)$ ERISTICS DC Current Gain*			
	(V _{EB} =-4Vdc, I _C =0) ERISTICS DC Current Gain*		-10	nAdc
ON CHARACT	DC Current Gain*			
h _{FE}	(I _c =-1.0mAdc, V _{CE} =-10Vdc) (I _c =-10mAdc, V _{CE} =-10Vdc) (I _c =-150mAdc, V _{CE} =-10Vdc) (I _c =-500mAdc, V _{CE} =-10Vdc)	75 100 100 100 50	300	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I_c =-150mAdc, I_B =-15mAdc) (I_c =-500mAdc, I_B =-50mAdc)		-0.4 -1.6	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I_c =-150mAdc, I_B =-15mAdc) (I_c =-500mAdc, I_B =-50mAdc)		-1.3 -2.6	Vdc
SMALL-SIGN	AL CHARACTERISTICS			
f⊤	Current Gain-Bandwidth Product (I _c =-2mAdc, V _{cE} =-12Vdc, f=30MHz)	140(1	[yp.)	MHz
C _{cbo}	Output Capacitance (V _{CB} =-12Vdc, I _E =0, f=100kHz)		5.0	pF
	CHARACTERISTICS			
T _{on} t _d t _r	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$		45 10 40	ns ns ns
t _{off} t _s t _f	Turn-off Time Storage Time Fall Time $ V_{CC}=-6Vdc, I_C=-150mAdc $	dc	100 80 30	ns ns ns

MMBT2907AT

PNP General Purpose Amplifier

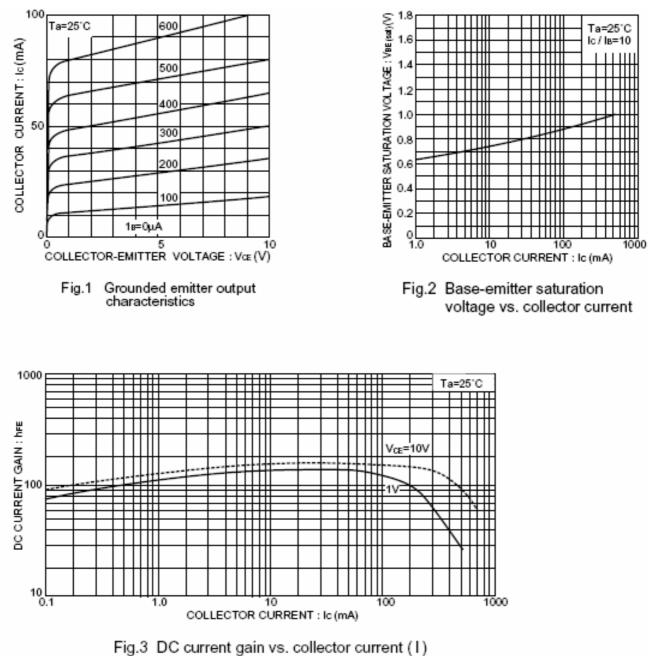


www.mccsemi.com

MMBT2907AT



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Ordering Information :

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

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

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