

Micro Commercial Components



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

Features

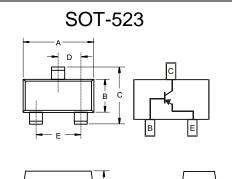
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Capable of 150mWatts of Power Dissipation
- Operating and Storage Junction Temperatures -55 $^\circ\!\!\!C$ to 150 $^\circ\!\!\!C$
- Collector Current: -0.6A
- Epoxy meets UL 94 V-0 flammability rating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

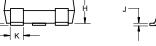
Electrical Characteristics @ 25°C Unless Otherwise Specified

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Symbol	P	arameter	Min	Max	Units
$\begin{array}{ c c c c c c } \hline (l_{c}=-10mAdc, l_{B}=0) & & & & & & & & & & & & & & & & & & &$	OFF CHARA	CTERISTICS				
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	V _{(BR)CEO}	Collector-Emitter Breakdown Voltage* -60				Vdc
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	V _{(BR)CBO}	Collector-Base Breakdown Voltage -60				Vdc
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	V _{(BR)EBO}	Emitter-Base Breakdown Voltage -5.0				Vdc
$\begin{array}{ c c c c c c } \hline \textbf{W}_{EB} = -4 V dc, \ l_{c} = 0 & \textbf{W} & \textbf{W} \\ \hline \textbf{W}_{EB} = -4 V dc, \ l_{c} = 0 & \textbf{W} & \textbf{W} \\ \hline \textbf{W}_{FE} & DC \ Current \ Gain^* & (l_{c} = -0.1 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & (l_{c} = -1.0 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & (l_{c} = -1.0 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & (l_{c} = -150 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & 0 & (l_{c} = -50 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & 0 & (l_{c} = -50 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & 0 & 0 & (l_{c} = -50 \text{mAdc}, \ V_{cE} = -10 V dc) & 100 & 100 & 100 & 0 & 0 & 0 & 0 & 0 &$	I _{CBO}		Collector Cut-off Current			nAdc
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	I _{EBO}	Emitter Cut-off Current			-10	nAdc
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ON CHARAG	TERISTICS				
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	h _{FE}	$(I_c=-0.1mAdc, (I_c=-1.0mAdc, (I_c=-10mAdc, (I_c=-10mAdc, (I_c=-150mAdc, (I_c=-150mAdc)))))$	300			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$V_{\text{CE}(\text{sat})}$	(I _c =-150mAdc		Vdc		
$ \begin{array}{c c c c c c c c } \hline f_T & Current Gain-Bandwidth Product & & & & & & & & & & & & & & & & & & &$	V _{BE(sat)}	Base-Emitter Saturation Voltage (I _c =-150mAdc, I _B =-15mAdc)				Vdc
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	SMALL-SIG	NAL CHARACTERI	STICS			
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	-			140(Typ.)	MHz
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	C _{cbo}				5.0	pF
t_d Delay Time (V _{CC} =-30Vdc, I _C =-150mAdc, 10 n t_r Rise Time I _{B1} =-15mAdc) 40 n t_off Turn-off Time (V _{CC} =-6Vdc, I _C =-150mAdc 100 n t Storage Time (V _{CC} =-6Vdc, I _C =-150mAdc 80 n	SWITCHIN	G CHARACTERIST	ICS			
t Storage Time (V _{cc} =-6Vdc, I _c =-150mAdc 80 m	t _d	Delay Time	Delay Time (V _{CC} =-30Vdc, I _C =-150mA		10	ns ns ns
IB1=IB2=-15MAdC)	t _s	Storage Time	orage Time (V _{CC} =-6Vdc, I _C =-150mAdc			ns ns ns

MMBT2907AT

PNP General Purpose Amplifier





DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.059	.067	1.50	1.70		
В	.030	.033	0.75	0.85		
С	.057	.069	1.45	1.75		
D	.020 Nominal		0.50Nominal			
Е	.035	.043	0.90	1.10		
G	.000	.004	.000	.100		
Н	.028	.031	.70	0.80		
L	.004	.008	.100	.200		
К	.010	.014	.25	.35		

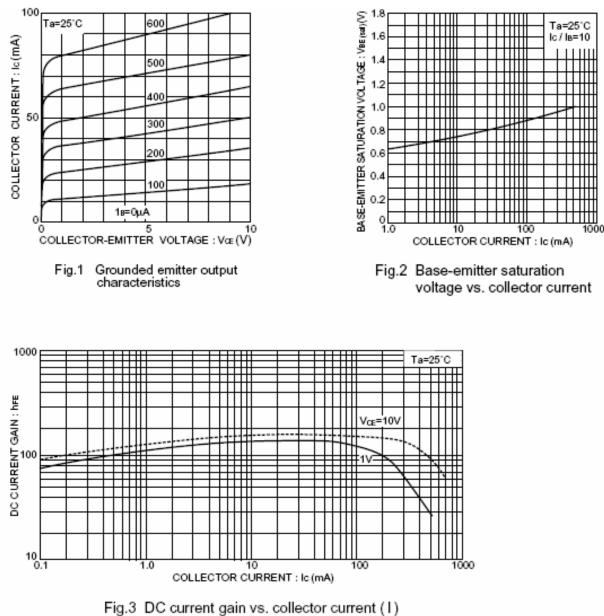
www.mccsemi.com

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MMBT2907AT



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Ordering Information :

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

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