

Micro Commercial Components



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

Features

- Through Hole Package
- Capable of 600mWatts of Power Dissipation and 600mA Ic
- Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information)Marking:MPS2907A
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

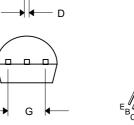
Symbol	P	Min	Max	Units	
OFF CHARA	CTERISTICS				
V _{(BR)CEO}	Collector-Emitte (I _C =10mAdc, I _E	60		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage 60 (I _c =10µAdc, I _E =0)				Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage 5.0 (I _E =10μAdc, I _C =0)				Vdc
I _{BL}	Base Cutoff Current (V _{cE} =30Vdc, V _{BE} =0.5Vdc)			50	nAdc
I _{CEX}	Collector Cutoff Current (V _{CE} =30Vdc, V _{BE} =0.5Vdc)			50	nAdc
I _{CBO}	Collector Cutoff Current (V _{CB} =50Vdc, I _E =0) (V _{CB} =50Vdc, I _E =0, T _A =150°C)			0.1 10.0	μAdc
ON CHARAO	CTERISTICS				
h _{FE}	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			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-SIG	NAL CHARACTER	ISTICS			
f _T	Current Gain-Bandwidth Product (I _c =50mAdc, V _{cE} =20Vdc, f=100MHz)		200		MHz
C _{cbo}	Output Capacitance (V _{CB} =10Vdc, I _E =0, f=100kHz)			8.0	pF
C _{ibo}	Input Capacitance (V _{EB} =2.0Vdc, I _C =0, f=100kHz)			30.0	pF
<u>SWITCHIN</u>	G CHARACTERIS	<u>rics</u>			
t _d	Delay Time	$(V_{CC}=3.0Vdc, I_{C}=150m)$	Adc,	10	ns
tr	Rise Time	I _{B1} =15mAdc)		40	ns
ts	Storage Time	(V _{cc} =3.0Vdc, I _c =150mAdc		80 30	ns
t _f	Fall Time	I _{B1} =I _{B2} =15mAdc)			ns

Purpose Amplifier TO-92 $\xrightarrow{ A \rightarrow 0} \qquad \xrightarrow{ P = P \rightarrow 0} \qquad \xrightarrow{ P \rightarrow 0}$

С

PN2907A

PNP General



DIMENSIONS							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
А	.170	.190	4.33	4.83			
В	.170	.190	4.30	4.83			
С	.550	.590	13.97	14.97			
D	.010	.020	0.36	0.56			
Е	.130	.160	3.30	3.96			
G	.096	.104	2.44	2.64			

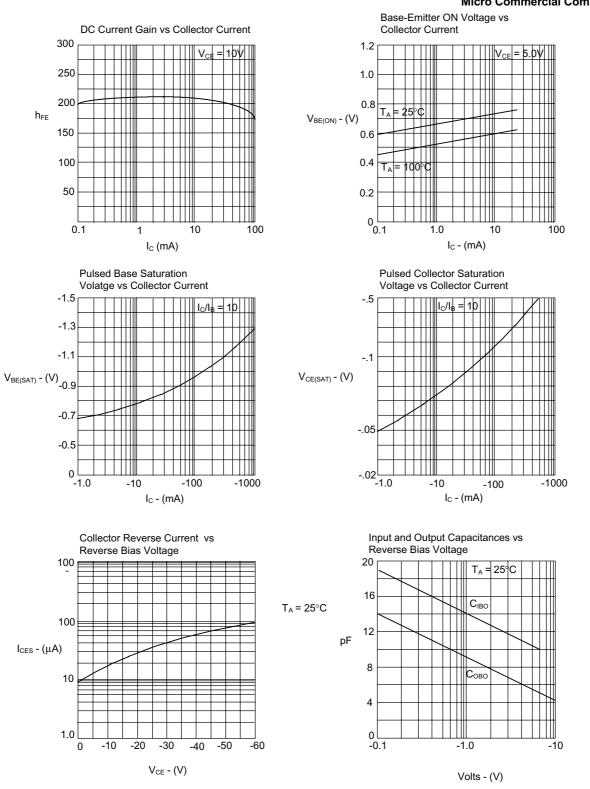
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Revision: A

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2011/01/01

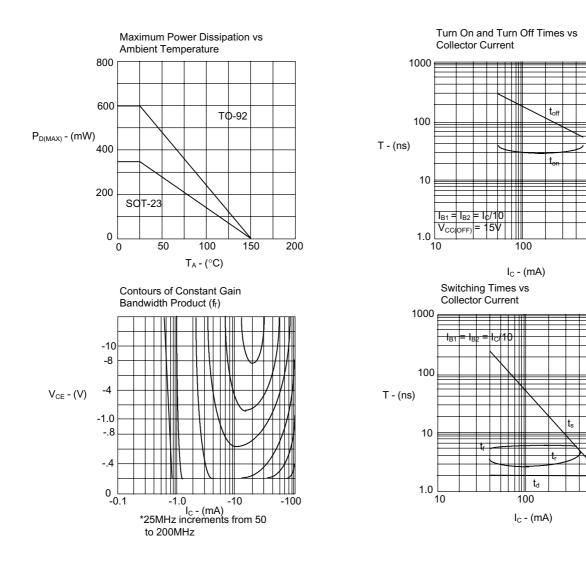
PN2907A



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1000

1000



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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