



**MPS2907-L/H**  
**MPS2907A-L/H**

**PNP Silicon**  
**Plastic-Encapsulate**  
**Transistor**

**Features**

- Capable of 0.625Watts of Power Dissipation.
- Collector-current -0.6A
- Collector-base Voltage -60V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: MPS2907/MPS2907A
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

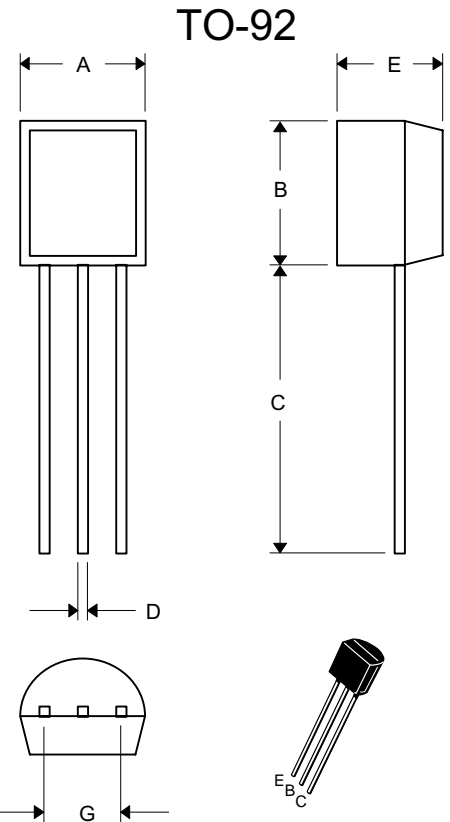
Symbol	Parameter	Min	Max	Units
<b>OFF CHARACTERISTICS</b>				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ( $I_C=-10mA$ , $I_B=0$ )	MPS2907 -40	---	Vdc
		MPS2907A -60	---	
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ( $I_C=-10uA$ , $I_E=0$ )	-60	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ( $I_E=-10uA$ , $I_C=0$ )	-5.0	---	Adc
$I_{CBO}$	Collector Cutoff Current ( $V_{CB}=-50V$ , $I_E=0$ )	---	-0.1	uAdc
		MPS2907 ---	-0.01	
$I_{CEO}$	Collector Cutoff Current ( $V_{CE}=-35V$ , $I_E=0$ )	---	-0.1	Vdc
		MPS2907 ---	-0.05	
$I_{EBO}$	Emitter Cutoff Current ( $V_{EB}=-3.0V$ , $I_C=0$ )	---	-0.1	uAdc
		MPS2907 ---	-0.01	

**ON CHARACTERISTICS**

$h_{FE-1}$	DC Current Gain ( $I_C=-150mA$ , $V_{CE}=-10V$ )	100	300	---
$h_{FE-2}$	DC Current Gain ( $I_C=-1.0mA$ , $V_{CE}=-10V$ )	MPS2907 60	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ( $I_C=500mA$ , $I_B=50mA$ )	---	-0.6	Vdc
$V_{(BE)sat}$	Base-Emitter Saturation Voltage ( $I_C=500mA$ , $I_B=50mA$ )	---	-1.2	Vdc
$f_T$	Transition Frequency ( $V_{CE}=-20V$ , $I_C=50mA$ , $f=100MHz$ )	200	---	MHz

**CLASSIFICATION OF  $h_{FE}$**

Rank	L	H
Range	100-200	200-300



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	



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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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