SILICON HIGH VOLTAGE PNP TRANSISTORS



www.centralsemi.com

# **DESCRIPTION:**

The CENTRAL SEMICONDUCTOR MPSA92 and MPSA93 are silicon PNP transistors designed for high voltage applications.

MARKING: FULL PART NUMBER



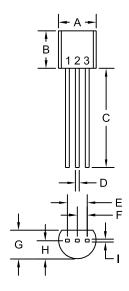
MAXIMUM R	ATINGS: (T <sub>A</sub> =25°C unless otherwise	noted) SYMBOL	MPSA92	MP	SA93	UNITS
Collector-Bas	se Voltage	V <sub>CBO</sub>	300		200 V	
Collector-Em	itter Voltage	$V_{CEO}$	300	2	200	V
Emitter-Base Voltage		$V_{EBO}$	5.0		V	
Continuous C	Collector Current	IC	:	500		mA
Power Dissipation		$P_{D}$	625		mW	
Power Dissipation (T <sub>C</sub> =25°C)		$P_{D}$	1.5		W	
Operating and Storage Junction Temperature		T <sub>J</sub> , T <sub>stg</sub>	-65 to +150		°C	
Thermal Resistance		$\Theta_{JA}$		200		°C/W
Thermal Resistance		$_{\Theta}$ JC	}	33.3		°C/W
ELECTRICAL CHARACTERISTICS: (T <sub>A</sub> =25°C)		MPS	A92	MPSA93		
SYMBOL	TEST CONDITIONS	MIN			MAX	UNITS
ICBO	V <sub>CB</sub> =200V	-	250	-	-	nA
I <sub>CEO</sub>	V <sub>CE</sub> =160V	-	-	-	250	nA
I <sub>EBO</sub>	V <sub>EB</sub> =3.0V	-	100	-	100	nA
D\/	I = -100A	200		200		17

# SILICON **HIGH VOLTAGE** PNP TRANSISTORS



# **TO-92 CASE - MECHANICAL OUTLINE**

R1



DIMENSIONS								
	INCHES		MILLIMETERS					
SYMBOL	MIN	MAX	MIN	MAX				
A (DIA)	0.175	0.205	4.45	5.21				
В	0.170	0.210	4.32	5.33				
С	0.500	-	12.70	-				
D	0.016	0.022	0.41	0.56				
Е	0.100		2.54					
F	0.050		1.27					
G	0.125	0.165	3.18	4.19				
Н	0.080	0.105	2.03	2.67				
	0.015		0.38					

TO-92 (REV: R1)

# LEAD CODE:

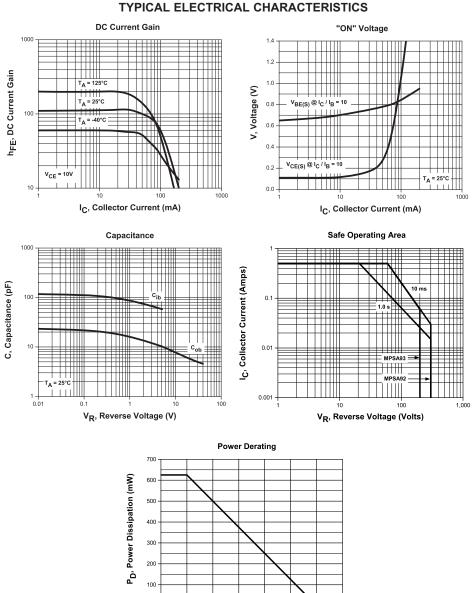
- 1) Emitter
- 2) Base 3) Collector

# MARKING:

**FULL PART NUMBER** 

# **SILICON HIGH VOLTAGE PNP TRANSISTORS**





T<sub>A</sub>, Ambient Temperature (°C)

R2 (15-December 2014)

# SILICON HIGH VOLTAGE PNP TRANSISTORS



#### **SERVICES**

- · Bonded Inventory
- · Custom Electrical Screening
- Custom Electrical Characteristic Curves
- SPICE Models
- Custom Packaging
- Package Base Options
- Custom Device Development/Multi Discrete Modules (MDM™)
- · Bare Die Available for Hybrid Applications

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R2 (15-December 2014)