MPSA92 / 93

PNP Silicon Expitaxial Planar Transistor

for high voltage switching and amplifier applications.

As complementary type the NPN transistor MPSA42 and MPSA 43 are recommended.

On special request, these transistors can be manufactured in different pin configurations.



Emitter 2. Base 3. Collector
 TO-92 Plastic Package

Absolute Maximum Ratings ($T_a = 25$ °C)

Absolute Maximum Natings (1a - 25 C)					
Parameter		Symbol	Value	Unit	
Collector Base Voltage	MPSA92 -V _{CBO}		300	V	
	MPSA93	V CBO	200	•	
Collector Emitter Voltage	MPSA92	\/	300	V	
	MPSA93	-V _{CEO}	200		
Emitter Base Voltage		-V _{EBO}	5	V	
Collector Current		-I _C	500	mA	
Power Dissipation		P _{tot}	625	mW	
Junction Temperature		T _j	150	°C	
Storage Temperature Range		T_{stg}	- 55 to + 150	°C	

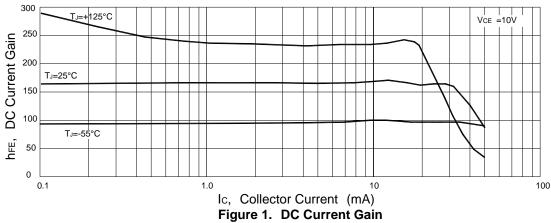
Characteristics at T_a = 25 °C

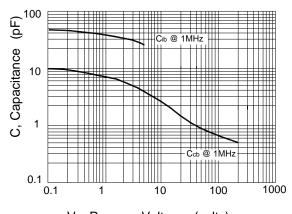
	Symbol	Min.	Max.	Unit
	h_{FE}	25	-	-
	h _{FE}	40	-	-
	h_{FE}	25	-	-
MPSA92	-I _{CBO}	-	0.25	μΑ
MPSA93	-I _{CBO}	-	0.25	μΑ
			0.4	
	-I _{EBO}	-	0.1	μA
MPSA92	-V _{(BR)CBO}	300	-	V
MPSA93		200	-	V
MPSA92	-V _{(BR)CEO}	300	-	V
MPSA93	-V _{(BR)CEO}	200	-	V
	W	5		V
	- V (BR)EBO	5	_	V
	\ /		0.5	V
	-V _{CE(sat)}	-	0.5	V
	1/		0.0	V
	-V _{BE(sat)}	-	0.9	V
	£	ΕO		NALI-
	ΙŢ	50	-	MHz
MPSA92	C_ob	-	6	pF
MPSA93	C_ob	-	8	рF
	MPSA93 MPSA92 MPSA93 MPSA93 MPSA93	hFE	hFE 40 40 hFE 40 hFE 25 hFE 40 hFE 25 hFE	hFE





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VR, Reverse Voltage (volts) Figure 2. Capacitance

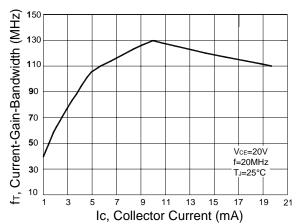


Figure 3. Current-Gain-Bandwidth





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2SD2150T100R SP000011176 2N2907A 2N3904-NS 2N5769 2SC2412KT146S 2SD1816S-TL-E CPH6501-TL-E MCH4021-TL-E

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