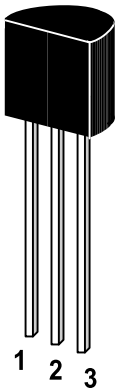


MPSA 94

PNP Silicon Epitaxial Planar Transistor
for high voltage switching and amplifier applications.

The transistor is subdivided into one group according to its DC current gain. As complementary type the NPN transistor MPSA 44 is recommended.

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



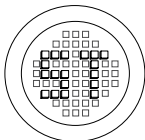
1. Emitter 2. Base 3. Collector

TO-92 Plastic Package
Weight approx. 0.19g

Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

	Symbol	Value	Unit
Collector Base Voltage	$-V_{\text{CBO}}$	400	V
Collector Emitter Voltage	$-V_{\text{CEO}}$	400	V
Emitter Base Voltage	$-V_{\text{EBO}}$	6	V
Collector Current	$-I_{\text{C}}$	300	mA
Power Dissipation	P_{tot}	625	mW
Junction Temperature	T_{j}	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{S}	-55 to +150	$^{\circ}\text{C}$

G S P FORM A IS AVAILABLE



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РАДИОТЕХ

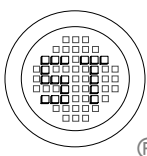
Тел.: (495) 795-0805
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Эл. почта: info@rct.ru
Веб: www.rct.ru

MPSA 94

Characteristics at $T_{amb}=25\text{ }^{\circ}\text{C}$

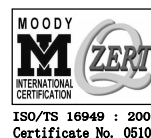
	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain					
at $-I_C=1\text{mA}$, $-V_{CE}=10\text{V}$	h_{FE}	25	-	-	-
at $-I_C=10\text{mA}$, $-V_{CE}=10\text{V}$	h_{FE}	40	-	-	-
at $-I_C=30\text{mA}$, $-V_{CE}=10\text{V}$	h_{FE}	25	-	-	-
Emitter Cutoff Current					
at $-V_{EB}=4\text{V}$	$-I_{EBO}$	-	-	0.1	μA
Collector Cutoff Current					
at $-V_{CB}=300\text{V}$	$-I_{CBO}$	-	-	0.1	μA
Collector Cutoff Current					
at $-V_{CE}=400\text{V}$	$-I_{CES}$	-	-	1	μA
Collector Base Breakdown Voltage					
at $-I_C=100\mu\text{A}$	$-V_{(BR)CBO}$	400	-	-	V
Collector Emitter Breakdown Voltage					
at $-I_C=1\text{mA}$	$-V_{(BR)CEO}$	400	-	-	V
Emitter Base Breakdown Voltage					
at $-I_E=10\mu\text{A}$	$-V_{(BR)EBO}$	6	-	-	V
Collector Emitter Breakdown Voltage					
at $-I_C=100\mu\text{A}$	$-V_{(BR)CES}$	400	-	-	V
Collector Saturation Voltage					
at $-I_C=10\text{mA}$, $-I_B=1\text{mA}$	$-V_{CE(sat)}$	-	-	0.5	V
at $-I_C=50\text{mA}$, $-I_B=5\text{mA}$	$-V_{CE(sat)}$	-	-	0.75	V
Base Saturation Voltage					
at $-I_C=10\text{mA}$, $-I_B=1\text{mA}$	$-V_{BE(sat)}$	-	-	0.75	V
Collector Output Capacitance					
at $-V_{CB}=20\text{V}$, $f=1\text{MHz}$	C_{ob}	-	-	7	pF

G S P FORM A IS AVAILABLE



SEMTECH ELECTRONICS LTD.

(Subsidiary of Semtech International Holdings Limited, acompany
listed on the Hong Kong Stock Exchange, Stock Code: 724)



Dated : 07/12/2002