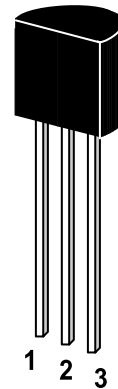


## PNP Silicon Epitaxial Planar Transistor

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	$-V_{CBO}$	400	V
Collector Emitter Voltage	$-V_{CEO}$	400	V
Emitter Base Voltage	$-V_{EBO}$	6	V
Collector Current	$-I_C$	300	mA
Power Dissipation	$P_{tot}$	625	mW
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_S$	-55 to +150	$^\circ\text{C}$



**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	$\mu\text{A}$
Collector Cutoff Current					
at $-V_{CB}=300\text{V}$	$-I_{CBO}$	-	-	0.1	$\mu\text{A}$
Collector Cutoff Current					
at $-V_{CE}=400\text{V}$	$-I_{CES}$	-	-	1	$\mu\text{A}$
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