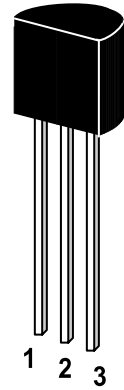


MPSA 10 / 11

NPN Silicon Epitaxial Planar Transistor VHF / UHF TRANSISTOR.

The transistor is subdivided into one group according to its DC current gain.

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	Rating	Unit
Collector Base Voltage	V_{CBO}	30	V
Collector Emitter Voltage	V_{CEO}	25	V
Emitter Base Voltage	V_{EBO}	3	V
Collector Current	I_C	100	mA
Collector Dissipation	P_{tot}	350	mW
Derate above 25°C		2.8	mW/ $^\circ\text{C}$
Collector Dissipation	P_{tot}	1	W
Derate above 25°C		8	mW/ $^\circ\text{C}$
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_s	-55~150	$^\circ\text{C}$
Thermal Resistance, Junction to Case	$R_{th(j-c)}$	125	$^\circ\text{C}/\text{W}$
Thermal Resistance, Junction to Ambient	$R_{th(j-a)}$	357	$^\circ\text{C}/\text{W}$

