



**FUKUCOM COMPANY LTD.**

**福 靈 有 限 公 司**

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

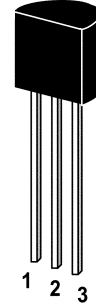
TEL: 852-2790 0314 FAX: 852-2790 0206

## 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.

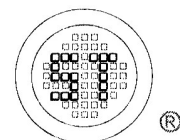


1. Emitter 2. Base 3. Collector

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 $25^\circ\text{C}$         |               | 2.8     | $\text{mW}/^\circ\text{C}$ |
| Collector Dissipation                   | $P_{tot}$     | 1       | W                          |
| Derate above $25^\circ\text{C}$         |               | 8       | $\text{mW}/^\circ\text{C}$ |
| 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     | $^\circ\text{C}/\text{W}$  |



**SEMTECH**

Dated : 16/07/2002

