

This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary



**RADIAL<sup>®</sup>**  
Microwave components

## TECHNICAL DATA SHEET

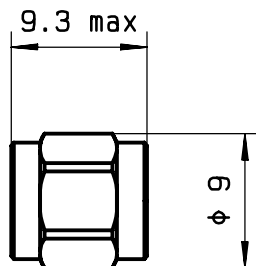
# R404212000

**TITLE: 1 W      18GHz      SMA/m      COAXIAL TERMINATION**

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07.Jun.96

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### DRAWING



General tolerances: +/- 0.5 mm

### ELECTRICAL CHARACTERISTICS

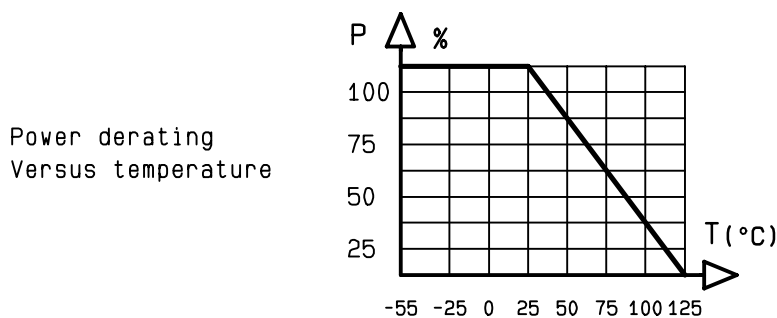
|                        |                                    |
|------------------------|------------------------------------|
| FREQUENCY RANGE        | : DC - 18GHz                       |
| IMPEDANCE              | : 50 Ohms                          |
| DC RESISTANCE          | : 50 Ohms $\pm$ 5%                 |
| AVERAGE POWER HANDLING | : 1 W at 25°C                      |
| PEAK POWER HANDLING    | : 100 W ( 1 $\mu$ s, 1%. ) at 25°C |
| V.S.W.R :              | DC - 4 GHz : $\leq$ 1.08           |
|                        | 4 - 8 GHz : $\leq$ 1.12            |
|                        | 8 - 12.4 GHz : $\leq$ 1.16         |
|                        | 12.4 - 18 GHz : $\leq$ 1.20        |

### MECHANICAL CHARACTERISTICS

|                |                            |
|----------------|----------------------------|
| CONNECTOR (1)  | : SMA male per MIL C 39012 |
| MAXIMUM WEIGHT | : 3 grams                  |

### ENVIRONMENTAL CHARACTERISTICS

|                                  |                |
|----------------------------------|----------------|
| OPERATING TEMPERATURE RANGE (°C) | : - 55 ; + 125 |
| STORAGE TEMPERATURE RANGE (°C)   | : - 55 ; + 125 |



(1) 100 connects or disconnects max

|           |                |           |                             |      |                                                                                                                                                                     |
|-----------|----------------|-----------|-----------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4112-9212 | CREATION       |           |                             |      | <b>RADIAL<sup>®</sup></b><br>101. rue P. Hoffmann - Z.I Ouest-<br>93116 ROSNY/BOIS Cedex-FRANCE<br>Phone: 33(1)49353535<br>Fax : 33(1)48546363<br>Tlx RADIA 235220F |
|           | N° :           | 07.Jun.96 | Title correction            | MG   | VE                                                                                                                                                                  |
|           | PEN/EP:CAT     | 05.may.95 | Peak power: 250 W --> 100 W | PG   | VE                                                                                                                                                                  |
|           | Name:KL        | 16.oct.92 | New format                  | PG   |                                                                                                                                                                     |
|           | Date:19.sep.86 | 09.mar.89 | New format                  | KL   |                                                                                                                                                                     |
| APP.:     | ISSUE          | REVISIONS |                             | NAME | APPR.                                                                                                                                                               |