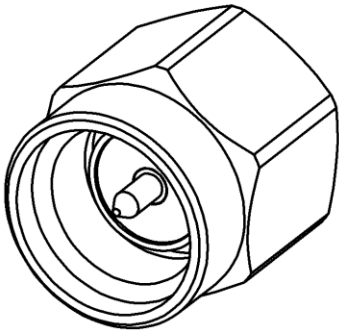
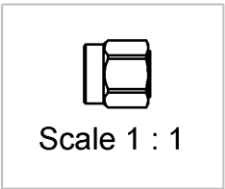
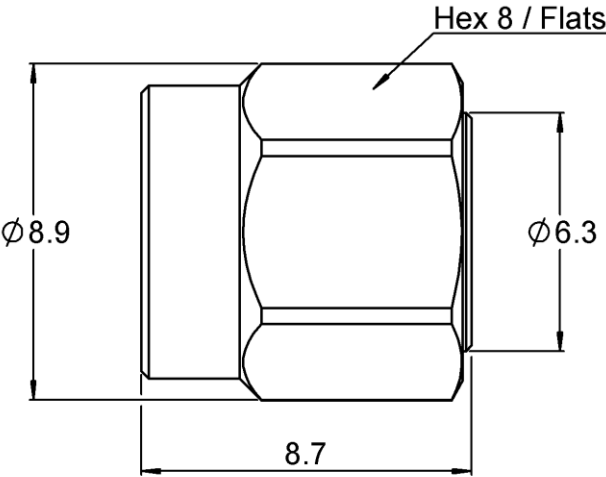
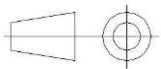


|          |                 |                       |                        |
|----------|-----------------|-----------------------|------------------------|
| PAGE 1/2 | ISSUE 16-11-18A | SERIES<br>TERMINATION | PART NUMBER R404N03000 |
|----------|-----------------|-----------------------|------------------------|



All dimensions are in mm. Tolerances according ISO 2768 m-H



| COMPONENTS     | MATERIALS       | PLATING (µm)     |
|----------------|-----------------|------------------|
| Body           | STAINLESS STEEL | PASSIVATED       |
| Center contact | BRASS           | GOLD OVER NICKEL |
| Outer contact  | STAINLESS STEEL | GOLD OVER NICKEL |
| Insulator      | PTFE            |                  |
| Gasket         | SILICONE RUBBER |                  |
| Substrate      | ALUMINA CERAMIC |                  |
| Resistor       | THICK FILM      |                  |
| Others parts   |                 |                  |

|          |                        |                              |                               |
|----------|------------------------|------------------------------|-------------------------------|
| PAGE 2/2 | ISSUE <b>16-11-18A</b> | SERIES<br><b>TERMINATION</b> | PART NUMBER <b>R404N03000</b> |
|----------|------------------------|------------------------------|-------------------------------|

## ELECTRICAL CHARACTERISTICS

| Frequency (GHz)    | DC - 8      | 8 - 12.4    | 12.4 - 22   | 22 - 26.5   |
|--------------------|-------------|-------------|-------------|-------------|
| V.S.W.R ( $\leq$ ) | <b>1.10</b> | <b>1.15</b> | <b>1.20</b> | <b>1.35</b> |

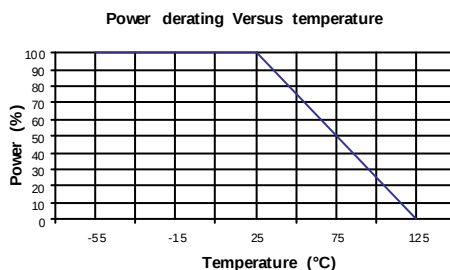
|                                    |                        |                       |
|------------------------------------|------------------------|-----------------------|
| Operating Frequency Range          | <b>DC - 26.5</b>       | GHz                   |
| Impedance                          | <b>50</b>              | $\Omega$              |
| DC Resistance                      | <b>50</b>              | $\Omega \pm 5\%$      |
| Peak power at 25°C (1 $\mu$ s, 1%) | <b>100</b>             | W                     |
| Average power at 25°C              | <b>2<sup>(1)</sup></b> | W (Free Air Cooled)   |
|                                    |                        | W (Conduction Cooled) |

## MECHANICAL CHARACTERISTICS

|            |                 |             |                                  |
|------------|-----------------|-------------|----------------------------------|
| Connectors | <b>SMA</b>      | <b>Male</b> | <b>MIL C 39012<sup>(2)</sup></b> |
| Weight     | <b>2,1500</b> g |             |                                  |

## ENVIRONMENTAL CHARACTERISTICS

|                             |                 |    |
|-----------------------------|-----------------|----|
| Operating temperature range | <b>-55/+125</b> | °C |
| Storage temperature range   | <b>-55/+125</b> | °C |



## SPECIFICATION

### OTHER CHARACTERISTICS

#### **IP67 in mated conditions**

Notes:

(1) Compliant with endurance requirement per MIL DTL 39030

(2) Insertion force of the female contact on the mating connector significantly exceeding the specifications of MIL C 39012 (13.2 N max with specified test gauge) could result in the permanent deterioration of the ceramic element of the termination and affect the center pin retention.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

[R404N03000](#)