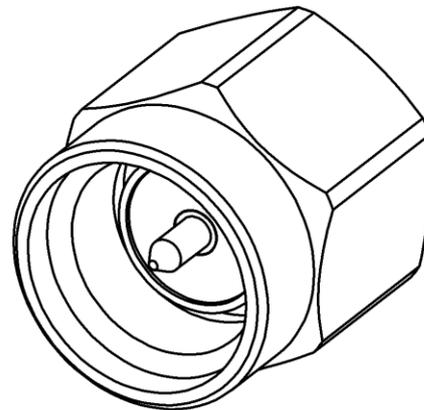
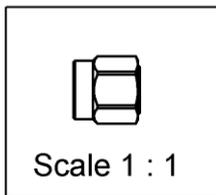
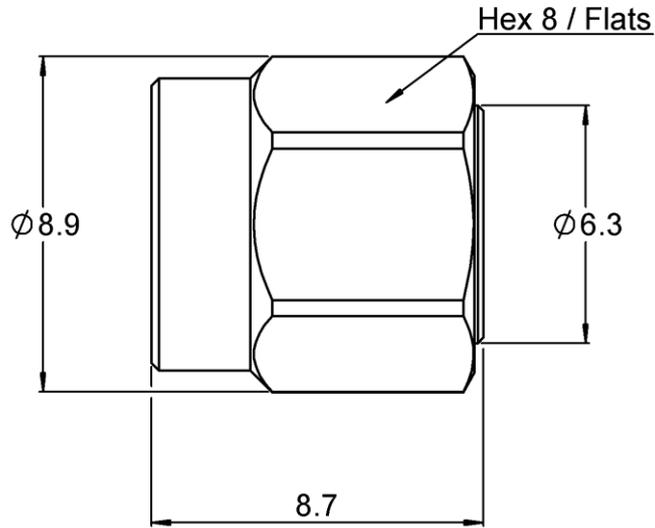
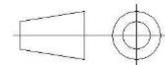


|          |                 |                              |                               |
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|----------|-----------------|------------------------------|-------------------------------|



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



| COMPONENTS     | MATERIALS              | PLATING ( $\mu\text{m}$ ) |
|----------------|------------------------|---------------------------|
| Body           | <b>STAINLESS STEEL</b> | <b>PASSIVATED</b>         |
| Center contact | <b>BRASS</b>           | <b>GOLD OVER NICKEL</b>   |
| Outer contact  | <b>STAINLESS STEEL</b> | <b>GOLD OVER NICKEL</b>   |
| Insulator      | <b>PTFE</b>            |                           |
| Gasket         | <b>SILICONE RUBBER</b> |                           |
| Substrate      | <b>ALUMINA CERAMIC</b> |                           |
| Resistor       | <b>THICK FILM</b>      |                           |
| Others parts   |                        |                           |

|          |                        |                              |                               |
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|----------|------------------------|------------------------------|-------------------------------|

**ELECTRICAL CHARACTERISTICS**

|                 |               |                 |                  |
|-----------------|---------------|-----------------|------------------|
| Frequency (GHz) | <b>DC - 8</b> | <b>8 - 12.4</b> | <b>12.4 - 18</b> |
| V.S.W.R (≤)     | <b>1.10</b>   | <b>1.15</b>     | <b>1.20</b>      |

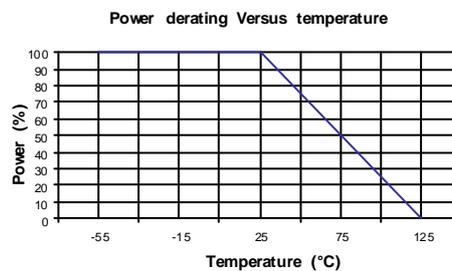
|                              |                         |                       |
|------------------------------|-------------------------|-----------------------|
| Operating Frequency Range    | <b>DC - 18</b>          | GHz                   |
| Impedance                    | <b>50</b>               | Ω                     |
| DC Resistance                | <b>50</b>               | Ω ± 5%                |
| Peak power at 25°C (1μs, 1%) | <b>100</b>              | W                     |
| Average power at 25°C        | <b>1</b> <sup>(1)</sup> | W (Free Air Cooled)   |
|                              |                         | W (Conduction Cooled) |

**MECHANICAL CHARACTERISTICS**

|            |                |             |                                   |
|------------|----------------|-------------|-----------------------------------|
| Connectors | <b>SMA</b>     | <b>Male</b> | <b>MIL C 39012</b> <sup>(2)</sup> |
| Weight     | <b>2,100</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.