

## RF Attenuator 6607\_SMA-50-1/199\_N

### Description

Standard Attenuator, Low Power



### Product Configuration

|                             |  |
|-----------------------------|--|
| Connector (side 1 / side 2) | SMA plug (male) / SMA jack (female)      |
| Interface Standards         | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

### Technical Data

#### Electrical Data

|                             |   |        |           |            |
|-----------------------------|---|--------|-----------|------------|
| Nominal impedance           | 50 Ω  |        |           |            |
| Nominal attenuation         | 7 dB  |        |           |            |
| Frequency range             | DC to 18 GHz  |        |           |            |
| Frequency sub range (GHz)   | DC to 4   | 4 to 8 | 8 to 12.4 | 12.4 to 18 |
| Attenuation deviation (±dB) | 0.5   | 0.5    | 0.5       | 0.5        |
| VSWR max.                   | 1.15  | 1.2    | 1.25      | 1.35       |
| Power rating                | 2 Watt average power up to 25 °C ambient temperature, linearly derated to 0.5 Watt at 125 °C ambient temperature.<br>250 Watt peak power, 5 μs pulse, 0.05 % duty cycle |        |           |            |

#### Mechanical Data

|        |          |
|--------|----------|
| Weight | 0.004 kg |
|--------|----------|

#### Environmental Data

|  |                  |
|--|------------------|
| Operating temperature                                | -65 °C to 125 °C |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant        |

#### Material Data

| Piece Part (side 1) | Material                       | Surface Plating      |
|---------------------|--------------------------------|----------------------|
| Centre contact      | Copper Beryllium Alloy         | Gold Plating         |
| Outer contact       | Stainless Steel                | Passivated (Plating) |
| Body                | Stainless Steel                | Passivated (Plating) |
| Insulator           | PTFE (Polytetrafluoroethylene) |                      |
| Coupling nut        | Stainless Steel                | Passivated (Plating) |
| Piece Part (side2)  | Material                       | Surface Plating      |
| Centre contact      | Copper Beryllium Alloy         | Gold Plating         |
| Outer contact       | Stainless Steel                | Passivated (Plating) |
| Body                | Stainless Steel                | Passivated (Plating) |
| Insulator           | PTFE (Polytetrafluoroethylene) |                      |

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00089026 |
|-----------------|--------------|

### Ordering Information

|                  |                      |
|------------------|----------------------|
| Single packaging | 6607_SMA-50-1/199_NE |
|------------------|----------------------|