

## RF Attenuator 6605\_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 $\Omega$  |        |           |            |
| Nominal attenuation               | 5 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 ( $\pm$ dB) | 0.3  | 0.3    | 0.3       | 0.3        |
| 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 $\mu$ s pulse, 0.05 % duty cycle |        |           |            |

#### Mechanical Data

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

#### Environmental Data

|                       |                  |
|-----------------------|------------------|
| Operating temperature | -65 °C to 125 °C |
| 2011/65/EU (RoHS)     | 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 | 6605_SMA-50-1/199_NE |
|------------------|----------------------|

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