

## RF Attenuator 5906\_N-50-010/199\_N

### Description

Standard Attenuator, Medium Power



### Product Configuration

|                             |  |
|-----------------------------|--|
| Connector (side 1 / side 2) | N plug (male) / N jack (female)          |
| Interface Standards         | IEC 60169-16_MIL-STD-348A/304_CECC 22210 |

### Technical Data

#### Electrical Data

|                                   |   |           |            |
|-----------------------------------|---|-----------|------------|
| Nominal impedance                 | 50 $\Omega$   |           |            |
| Nominal attenuation               | 6 dB  |           |            |
| Frequency range                   | DC to 18 GHz  |           |            |
| Frequency sub range (GHz)         | DC to 6   | 6 to 12.4 | 12.4 to 18 |
| Attenuation deviation ( $\pm$ dB) | 0.3   | 0.3       | 0.5        |
| VSWR max.                         | 1.2   | 1.3       | 1.4        |
| Power rating                      | 10 Watt average power up to 25 °C ambient temperature, linearly derated to 2 Watt at 125 °C ambient temperature.<br>500 Watt peak power, 5 $\mu$ s pulse, 0.05 % duty cycle |           |            |

#### Mechanical Data

|        |          |
|--------|----------|
| Weight | 0.064 kg |
|--------|----------|

#### Environmental Data

|  |                               |
|--|-------------------------------|
| Operating temperature<br>2011/65/EC (RoHS) | -65 °C to 125 °C<br>compliant |
|--|-------------------------------|

#### Material Data

| Piece Part (side 1) | Material                       | Surface Plating                            |
|---------------------|--------------------------------|--|
| Centre contact      | Copper Beryllium Alloy         | Gold Plating (without Nickel underplating) |
| Outer contact       | Stainless Steel                | Passivated (Plating)                       |
| Body                | Aluminium                      | Anodized                                   |
| Insulator           | PTFE (Polytetrafluoroethylene) |  |
| Coupling nut        | Stainless Steel                | Passivated (Plating)                       |
| Piece Part (side2)  | Material                       | Surface Plating                            |
| Centre contact      | Copper Beryllium Alloy         | Gold Plating (without Nickel underplating) |
| Outer contact       | Stainless Steel                | Passivated (Plating)                       |
| Body                | Aluminium                      | Anodized                                   |
| Insulator           | PTFE (Polytetrafluoroethylene) |  |

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00112627 |
|-----------------|--------------|

### Ordering Information

|                  |                      |
|------------------|----------------------|
| Single packaging | 5906_N-50-010/199_NE |
|------------------|----------------------|