

## RF Attenuator 6806.19.A

### 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               | 6 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    | 0.5       | 0.8        |
| VSWR max.                         | 1.1                                                                                                                                                                        | 1.2    | 1.2       | 1.35       |
| Power rating                      | 1 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient temperature.<br>500 Watt peak power, 5 $\mu$ s pulse, 0.05 % duty cycle |        |           |            |

#### Mechanical Data

|        |          |
|--------|----------|
| Weight | 0.008 kg |
|--------|----------|

#### Environmental Data

|                                                      |                  |
|------------------------------------------------------|------------------|
| Operating temperature                                | -55 °C to 130 °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       | Copper Beryllium Alloy | Gold Plating    |
| Body                | Copper Beryllium Alloy | Gold Plating    |
| Insulator           | PFA / PTFE             |                 |
| Coupling nut        | Bronze                 | Gold Plating    |
| Piece Part (side2)  | Material               | Surface Plating |
| Centre contact      | Copper Beryllium Alloy | Gold Plating    |
| Outer contact       | Copper Beryllium Alloy | Gold Plating    |
| Body                | Copper Beryllium Alloy | Gold Plating    |
| Insulator           | PFA / PTFE             |                 |

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DCA-00005292 |
|-----------------|--------------|

### Ordering Information

|                  |           |
|------------------|-----------|
| Single packaging | 6806.19.A |
|------------------|-----------|