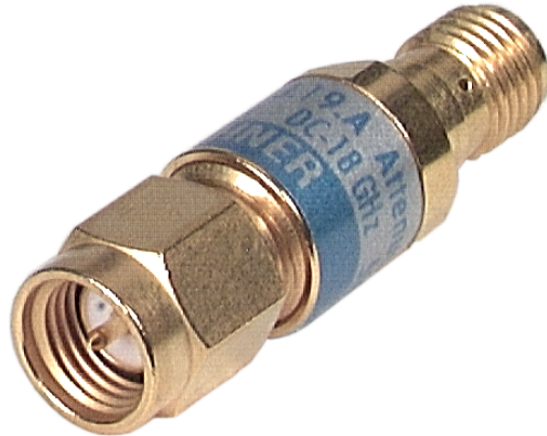


**COAXIAL FIXED ATTENUATOR, 50 Ohm, 5 dB, SMA**

6805.19.A

**Properties**

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50  $\Omega$  or 75  $\Omega$  impedance
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Used in many test and measurement and communication applications.

**Product configuration**

| Interface | Gender        | Standard                                 |
|-----------|---------------|------------------------------------------|
| SMA       | plug (male)   | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |
| SMA       | jack (female) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

**Electrical data**

|                     |                  |
|---------------------|------------------|
| Impedance           | 50 $\Omega$      |
| Operating frequency | 0 GHz ... 18 GHz |
| Attenuation nominal | 5 dB             |
| VSWR                | 1.35             |
| Return loss         | 16.5 dB          |

**Electrical Data (frequency related)**

| Frequency range    | Attenuation deviation | VSWR max |
|--------------------|-----------------------|----------|
| 0 GHz to 4 GHz     | +/- 0.3 dB            | 1.1      |
| 4 GHz to 8 GHz     | +/- 0.3 dB            | 1.2      |
| 8 GHz to 12.4 GHz  | +/- 0.5 dB            | 1.2      |
| 12.4 GHz to 18 GHz | +/- 0.8 dB            | 1.35     |

**Electrical Data (power)**

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| Average power      | 2 W at 30 °C ambient temperature. Linearly derated to 0 W at 130 °C ambient temperature. |
| Peak power         | 500 W, 5 $\mu$ s pulse width, 0.05 % duty cycle                                          |
| Electrical remarks | Peak voltage max. 160V (50 Ohm)                                                          |

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 5 dB, SMA**

6805.19.A

| Interface and material data |                        |                |
|-----------------------------|------------------------|----------------|
| Interface                   | SMA / plug (male)      |                |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b> |
| Centre contact              | Copper Beryllium Alloy | Gold Plating   |
| Outer conductor             | Copper Beryllium Alloy | Gold Plating   |
| Body                        | Copper Beryllium Alloy | Gold Plating   |
| Insulator                   | PFA / PTFE             |                |
| Coupling nut                | Bronze                 | Gold Plating   |
| Gasket                      | VMQ (Silicone rubber)  |                |
| Interface                   | SMA / jack (female)    |                |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b> |
| Centre contact              | Copper Beryllium Alloy | Gold Plating   |
| Outer conductor             | Copper Beryllium Alloy | Gold Plating   |
| Body                        | Copper Beryllium Alloy | Gold Plating   |
| Insulator                   | PFA / PTFE             |                |

| Mechanical data |          |
|-----------------|----------|
| Weight          | 0.008 kg |

| Environmental data    |                  |
|-----------------------|------------------|
| Operation temperature | -55 °C ... 130°C |

| Ordering Information Table |                  |
|----------------------------|------------------|
| Item number                | Item description |
| 22641553                   | 6805.19.A        |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver:  
Facts and figures herein are for information only and do not represent any warranty of any kind.

DOCUMENT PIM-P1634 / Date of publication: 23.11.2023 / uncontrolled copy