

# HUBER+SUHNER® DATA SHEET

## RF ATTENUATOR: Type 6806.17.A

Rev.: H



### Description

Standard Attenuator, Low Power

### Product Configuration

Connectors (side 1 / side 2) N plug (male) / N jack (female)  
Interface standard 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 12.4 GHz			
Frequency sub range (GHz)	DC to 4	4 to 8	8 to 10	10 to 12.4
Attenuation deviation ( $\pm$ dB)	0.3	0.3	0.5	0.5
VSWR max.	1.1	1.2	1.2	1.25
Power rating	2 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient temperature. 500 Watt peak power			



#### Mechanical Data

Weight 0.069 kg

#### Environmental Data

2002/95/EC (RoHS) compliant

#### Material Data

##### Piece Part (side 1)

Centre contact	Copper Beryllium Alloy
Outer contact	Brass
Body	Brass
Insulator	PFA / PTFE
Coupling nut	Brass

##### Surface Plating

Gold Plating (without Nickel underplating)
Gold Plating (without Nickel underplating)
SUCOPLATE (R) Plating
SUCOPLATE (R) Plating

##### Piece Part (side 2)

Centre contact	Copper Beryllium Alloy
Outer contact	Brass
Body	Brass
Insulator	PFA / PTFE

##### Surface Plating

Gold Plating (without Nickel underplating)
Gold Plating (without Nickel underplating)
SUCOPLATE (R) Plating

### Related Documents

Outline drawing DOU-00005269

### Ordering Information

Single packaging 6806.17.A

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



**HUBER+SUHNER AG**  
RF Industrial  
9100 Herisau, Switzerland  
Phone +41 (0)71 353 41 11  
Fax +41 (0)71 353 45 90  
www.hubersuhner.com

**HUBER+SUHNER – Excellence in Connectivity Solutions**