

# HUBER+SUHNER® DATA SHEET

## RF ATTENUATORS: SERIES 66XX\_SMA-50-2(6 GHz)



### Description

Standard Attenuator, Low Power

### Type 66XX\_SMA-50-2, for XX insert attenuation value in dB

For example for 3 dB attenuation insert "03" in the type code and write 6603\_SMA-50-2



### Product Configuration

Connectors (side 1/ side 2) SMA plug (male) / SMA jack (female)

### Technical Data

#### Electrical Data

Nominal impedance	50 $\Omega$
Attenuation values	from 1 up to 30 dB
Frequency range	DC to 6 GHz
Power rating	2 Watt average power to 25°C ambient temperature, linearly derated to 1.1 Watt at 85°C ambient temperature. 100 Watt peak power during max. 5 $\mu$ s
Power Coefficient	0.001 dB/dB/W
Temp. Coefficient	0.0001 dB/dB/°C

#### Environmental Data

2002/95/EC (RoHS) compliant

#### Mechanical Data

Dimensions	9 / 8 / 21.8 (height / width / length coaxial in mm) until 20 dB 9 / 8 / 25.1 (height / width / length coaxial in mm) up to 21 dB
Weight	0.00419 kg

#### Material Data

##### Piece Part

Centre contacts  
Outer contacts  
Body  
Insulator  
Coupling Nut

##### Material

Copper-Beryllium Alloy  
Stainless steel  
Stainless steel  
PTFE  
Stainless steel

##### Surface Plating

Gold Plating (Nickel underplated)

#### Related Documents

Outline Drawing	DOU-00089026 until 20 dB
Outline Drawing	DOU-00095953 up to 21 dB

#### Ordering Information

Single Packing 66XX\_SMA-50-2

#### Additional Information

##### Remarks

Interface dimensions acc. to IEC 60169-15\_MIL-STD-348/310\_CECC 22110

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Nominal attenuation (dB)	Attenuation deviation max. over frequency (DC – 6 GHz) (dB)	VSWR max.) over frequency (DC – 6 GHz)	Power	H+S type	Item number
1	+/-0.6	1.2	2 W	<b>6601_SMA-50-2</b>	84037361
2				<b>6602_SMA-50-2</b>	84034481
3				<b>6603_SMA-50-2</b>	84036311
4				<b>6604_SMA-50-2</b>	84034272
5				<b>6605_SMA-50-2</b>	84037414
6				<b>6606_SMA-50-2</b>	84037343
7				<b>6607_SMA-50-2</b>	84037410
8				<b>6608_SMA-50-2</b>	84037388
9				<b>6609_SMA-50-2</b>	84037381
10				<b>6610_SMA-50-2</b>	84036452
15	+/-0.75	1.2	2 W	<b>6615_SMA-50-2</b>	84037424
18				<b>6618_SMA-50-2</b>	84037420
20				<b>6620_SMA-50-2</b>	84037362
30	+/-0.9	1.2	2 W	<b>6630_SMA-50-2</b>	84037372

The HUBER+SUHNER group 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.



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