Data Sheet

HUBER+SUHNER
Excellence in Connectivity Solutions

RF Attenuator
6610_SMA-50-3/199_N

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 Ω				
Nominal attenuation	10 dB				
Frequency range	DC to 23 GHz				
Frequency sub range (GHz)	DC to 4	4 to 8	8 to 12.4	12.4 to 18	18 to 23
Attenuation deviation (±dB)	0.5	0.5	0.5	0.5	0.6
VSWR max.	1.15	1.2	1.25	1.35	1.4
Power rating	2 Watt average power up to 25 °C ambient temperature, linearly derated to 0.5 Watt at 125 °C ambient temperature. 250 Watt peak power, 5 µs pulse, 0.05 % duty cycle				

Mechanical Data

Weight	0.004 kg

Environmental Data

Operating temperature	-65 °C to 125 °C
2011/65/EU (RoHS)	compliant

Material Data

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)
Piece Part (side2)	**Material**	**Surface Plating**
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

Related Documents

Outline drawing	DOU-00121527

Ordering Information

Single packaging	6610_SMA-50-3/199_NE