

COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, SMA

6606_SMA-50-2/199_N

Properties

- Wide range of interfaces
- 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_CEECC 22110
SMA	jack (female)	IEC 60169-15_MIL-STD-348A/310_CEECC 22110

Electrical data

Impedance	50Ω
Operating frequency	0 GHz ... 6 GHz
Attenuation nominal	6 dB
VSWR	1.25
Return loss	19.1 dB

Electrical Data (frequency related)

Frequency range	Attenuation deviation	VSWR max
0 GHz to 6 GHz	+/- 0.4 dB	1.25

Electrical Data (power)

Average power	2 W at 25 °C ambient temperature. Linearly derated to 0.2 W at 100 °C ambient temperature.
Peak power	250 W, 5 μs pulse width, 0.4 % duty cycle

Interface and material data

Interface	SMA / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)

COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, SMA
6606_SMA-50-2/199_N

Interface and material data		
Gasket	VMQ (Silicone rubber)	
Interface	SMA / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

Mechanical data	
Weight	0.006 kg

Environmental data	
Operation temperature	-55 °C ... 125 °C

Ordering Information Table	
Item number	Item description
85177118	6606_SMA-50-2/199_NE

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-P1676 / Date of publication: 21.11.2024 / uncontrolled copy