DATA SHEET

COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, SMA

6606_SMA-50-1/199_N

Properties

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50 Ω or 75 Ω 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	50Ω
Operating frequency	0 GHz ... 18 GHz
Attenuation nominal	6 dB
VSWR	1.3
Return loss	17.7 dB

Electrical Data (frequency related)		
Frequency range	**Attenuation deviation**	**VSWR max**
0 GHz to 18 GHz	+/- 0.4 dB	1.3

Electrical Data (power)	
Average power	2 W at 25 °C ambient temperature. Linearly derated to 0.5 W at 125 °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

COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, SMA

6606_SMA-50-1/199_N

Interface and material data		
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)
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
85170601	6606_SMA-50-1/199_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-P1677 / Date of publication: 23.11.2023 / uncontrolled copy