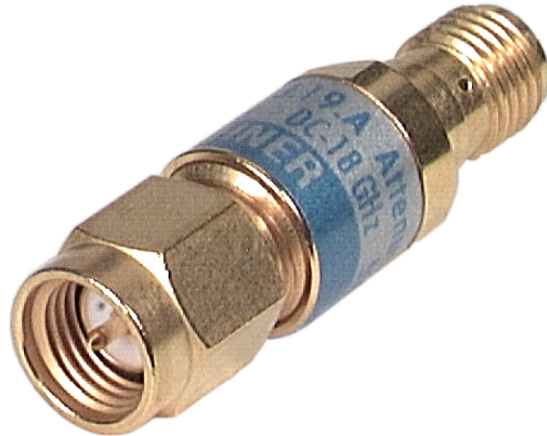


COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, SMA

6803.19.A

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	50 Ω
Operating frequency	0 GHz ... 18 GHz
Attenuation nominal	3 dB
VSWR	1.35
Return loss	16.5 dB

Electrical Data (frequency related)

Frequency range	Attenuation deviation	VSWR max
0 GHz to 4 GHz	+/- 0.3 dB	1.1
4 GHz to 8 GHz	+/- 0.3 dB	1.2
8 GHz to 12.4 GHz	+/- 0.5 dB	1.2
12.4 GHz to 18 GHz	+/- 0.8 dB	1.35

Electrical Data (power)

Average power	2 W at 30 °C ambient temperature. Linearly derated to 0 W at 130 °C ambient temperature.
Peak power	500 W, 5 μ s pulse width, 0.05 % duty cycle
Electrical remarks	Peak voltage max. 160V (50 Ohm)

COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, SMA

6803.19.A

Interface and material data		
Interface	SMA / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	
Coupling nut	Bronze	Gold Plating
Gasket	VMQ (Silicone rubber)	
Interface	SMA / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	

Mechanical data	
Weight	0.008 kg

Environmental data	
Operation temperature	-55 °C ... 130°C

Ordering Information Table	
Item number	Item description
22550028	6803.19.A

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-P1642 / Date of publication: 23.11.2023 / uncontrolled copy