

COAXIAL FIXED ATTENUATOR, 50 Ohm, 5 dB, SMA

6605_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	50 Ω
Operating frequency	0 GHz ... 18 GHz
Attenuation nominal	5 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	1.15
4 GHz to 8 GHz	+/- 0.3 dB	1.2
8 GHz to 12.4 GHz	+/- 0.3 dB	1.25
12.4 GHz to 18 GHz	+/- 0.3 dB	1.35

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 μ s pulse width, 0.05 % duty cycle

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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)
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	0.004 kg

Environmental data	
Operation temperature	-65 °C ... 125°C

Ordering Information Table	
Item number	Item description
85177141	6605_SMA-50-1/199_NE

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