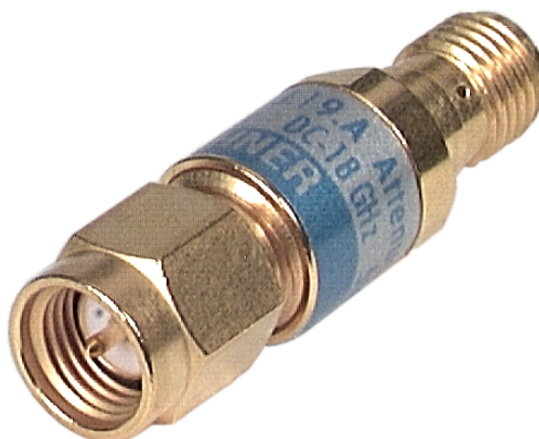


**COAXIAL FIXED ATTENUATOR, 50 Ohm, 2 dB, SMA**

6802.19.A

**Properties**

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50  $\Omega$  or 75  $\Omega$  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 $\Omega$
Operating frequency	0 GHz ... 18 GHz
Attenuation nominal	2 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 $\mu$ s pulse width, 0.05 % duty cycle
Electrical remarks	Peak voltage max. 160V (50 Ohm)

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<b>Interface and material data</b>		
Interface	SMA / plug (male)	
<b>Piece parts</b>	<b>Material</b>	<b>Plating</b>
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)	
<b>Piece parts</b>	<b>Material</b>	<b>Plating</b>
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	

<b>Mechanical data</b>	
Weight	0.008 kg

<b>Environmental data</b>	
Operation temperature	-55 °C ... 130°C

<b>Ordering Information Table</b>	
Item number	Item description
22641555	6802.19.A

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