

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

6602\_SMA-50-1/199\_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_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	2 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)	
<b>Piece parts</b>	<b>Material</b>	<b>Plating</b>
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)

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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
85177138	6602_SMA-50-1/199_NE

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