

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 15 dB, SMA**

6615\_SMA-50-3/199\_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 ... 27 GHz
Attenuation nominal	15 dB
VSWR	1.3
Return loss	17.7 dB

Electrical Data (frequency related)		
Frequency range	Attenuation deviation	VSWR max
0 GHz to 27 GHz	+/- 0.65 dB	1.3

Electrical Data (power)	
Average power	2 W at 25 °C ambient temperature. Linearly derated to 0.2 W at 100 °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
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)

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<b>Interface and material data</b>		
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	Stainless Steel	Passivated (Plating)
Body	Stainless Steel	Passivated (Plating)
Insulator	PTFE (Polytetrafluoroethylene)	

<b>Mechanical data</b>	
Weight	0.005 kg

<b>Environmental data</b>	
Operation temperature	-55 °C ... 125 °C

<b>Ordering Information Table</b>	
Item number	Item description
85177159	6615_SMA-50-3/199_NE

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