

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, PC 2.4**

6603\_PC24-50-1/199\_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
PC 2.4	plug (male)	
PC 2.4	jack (female)	

Electrical data	
Impedance	50Ω
Operating frequency	0 GHz ... 50 GHz
Attenuation nominal	3 dB
VSWR	1.3
Return loss	17.7 dB

Electrical Data (frequency related)		
Frequency range	Attenuation deviation	VSWR max
0 GHz to 50 GHz	+/- 0.9 dB	1.3

Electrical Data (power)	
Average power	2 W at 25 °C ambient temperature. Linearly derated to 0.3 W at 100 °C ambient temperature.
Peak power	100 W, 5 μs pulse width, 1 % duty cycle

Interface and material data		
Interface	PC 2.4 / 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	PEI (Polyether-imide)	
Coupling nut	Stainless Steel	Passivated (Plating)

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<b>Interface and material data</b>		
Gasket	VMQ (Silicone rubber)	
Interface	PC 2.4 / 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	PEI (Polyether-imide)	

<b>Mechanical data</b>	
Weight	0.004 kg

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

<b>Ordering Information Table</b>	
Item number	Item description
85177162	6603_PC24-50-1/199_NE

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