

COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, 7/16

5903.41.0001

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
7/16	plug (male)	IEC 60169-4_CECC 22190_DIN 47223_VG 95250
7/16	jack (female)	IEC 60169-4_CECC 22190_DIN 47223_VG 95250

Electrical data

Impedance	50Ω
Operating frequency	0 GHz ... 6 GHz
Attenuation nominal	3 dB
VSWR	1.25
Return loss	19.1 dB

Electrical Data (frequency related)

Frequency range	Attenuation deviation	VSWR max
0 GHz to 6 GHz	+/- 0.5 dB	1.25

Electrical Data (power)

Average power	10 W at 25 °C ambient temperature. Linearly derated to 1 W at 100 °C ambient temperature.
Peak power	500 W, 5 μs pulse width, 1 % duty cycle

Interface and material data

Interface	7/16 / plug (male)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	Tri-metal Plating
Body	Aluminium	Anodized
Insulator	PTFE (Polytetrafluoroethylene)	

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Interface and material data		
Coupling nut	Brass	Tri-metal Plating
Gasket	VMQ (Silicone rubber)	
Interface	7/16 / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Aluminium	Anodized
Insulator	PTFE (Polytetrafluoroethylene)	

Mechanical data	
Weight	0.15 kg

Environmental data	
Operation temperature	-55 °C ... 125 °C

Ordering Information Table	
Item number	Item description
85177175	5903.41.0001

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