

COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, 7/16

5906.41.0001

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	6 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
Interface	7/16 / jack (female)	
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer conductor	Brass	Tri-metal 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
85177184	5906.41.0001

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