DATA SHEET

COAXIAL FIXED ATTENUATOR, 50 Ohm, 10 dB, SMA

5910_SMA-50-010/19-_N

Properties

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50 Ω or 75 Ω impedance
- 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	10 dB
VSWR	1.35
Return loss	16.5 dB

Electrical Data (frequency related)		
Frequency range	**Attenuation deviation**	**VSWR max**
0 GHz to 18 GHz	+/- 0.6 dB	1.35

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	SMA / plug (male)	
Piece parts	**Material**	**Plating**
Centre contact	Copper Beryllium Alloy	Gold Plating

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Interface and material data		
Outer conductor	Stainless Steel	Passivated (Plating)
Body	Aluminium	Anodized
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)
Interface	SMA / 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	0.0016 kg

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

Ordering Information Table	
Item number	Item description
85177190	5910_SMA-50-010/19-_NE

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