## **Data Sheet**

## RF Attenuator 5910\_SMA-50-005/19-\_N

## Description

Standard Attenuator, Medium Power

Connector (side 1 / side 2) Interface Standards		SMA plug (male) / SMA jack (female) IEC 60169-15_MIL-STD-348A/310_CECC 22110			
Technical Data					
Electrical Data					
Nominal impedance	50 Ω				
Nominal attenuation	10 dB				
Frequency range	DC to 18 GHz				
Frequency sub range (GHz)	DC to 4	4 to 8	8 to 12.4	12.4 to 18	
Attenuation deviation (±dB) VSWR max.	0.5	0.5	0.5	0.5	
Power rating		1.15       1.2       1.25       1.35         5 Watt average power up to 25 °C ambient temperature, linearly derated to 1 Watt at 125 °C ambient temperature.			
Mechanical Data					
Weight	0.01 kg				
Environmental Data					
Operating temperature 2011/65/EU (RoHS - including 2015/863 and 2017/2102)	-65 °C to 125 °C compliant				
Material Data					
Piece Part (side 1)	Material		Surfa	Surface Plating	
Centre contact	Copper Beryllium	Alloy	Gold I	Plating (without Nickel underplating)	
Outer contact	Stainless Steel		Passiv	vated (Plating)	
	Aluminium		Anodi	zed	
Body Insulator	Aluminium PTFE (Polytetraflu	oroethylene)	Anodi	zed	
Body Insulator		oroethylene)		vated (Plating)	
Body	PTFE (Polytetraflu Stainless Steel <b>Material</b>		Passiv		
Body Insulator Coupling nut	PTFE (Polytetraflu Stainless Steel		Passi Surfa	vated (Plating)	
Body Insulator Coupling nut Piece Part (side2)	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel		Passi Surfa Gold I Passi	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	
Body Insulator Coupling nut Piece Part (side2) Centre contact Outer contact Body	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel Aluminium	Alloy	Passi Surfa Gold I	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	
Body Insulator Coupling nut Piece Part (side2) Centre contact Outer contact	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel	Alloy	Passi Surfa Gold I Passi	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	
Body Insulator Coupling nut Piece Part (side2) Centre contact Outer contact Body Insulator	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel Aluminium	Alloy	Passi Surfa Gold I Passi	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	
Body Insulator Coupling nut Piece Part (side2) Centre contact Outer contact Body	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel Aluminium	Alloy	Passi Surfa Gold I Passi	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	
Body Insulator Coupling nut Piece Part (side2) Centre contact Outer contact Body Insulator Related Documents	PTFE (Polytetraflu Stainless Steel Material Copper Beryllium Stainless Steel Aluminium PTFE (Polytetraflu	Alloy	Passi Surfa Gold I Passi	vated (Plating) ce Plating Plating (without Nickel underplating) vated (Plating)	

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