

Rev:A00

SMA-FF Airtight Adapter



The airtight adapter is hermetically sealed design to prevent outside air leakage and ingress with standard SMA connector.

Technical requirements

Item	Specifications
Model	ADPG01811A118
Impedance	50Ω
Frequency range	DC-18GHz
Return loss	≥20dB
Insert loss	≤0.25dB
Insulation resistance	≥5000MΩ
Dielectrics voltage resistance	≤1000Vrms
Temperature	300K
Connector	SMA-F & SMA-F
Hermetically sealed	Leak rate ≤1.0E ⁻⁷ mbar.L/s

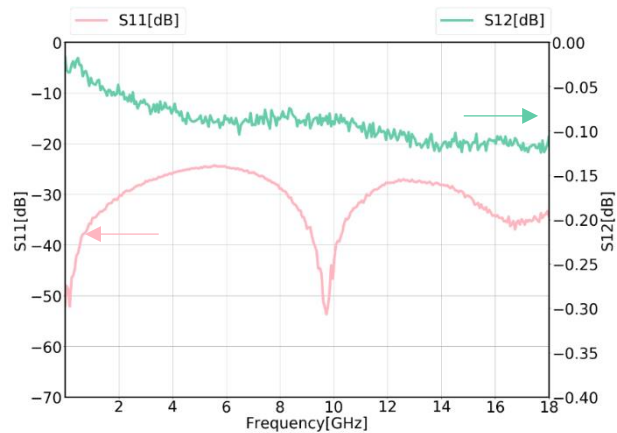
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Material and surface

	Item	Material	Surface
SMA Connector	Outer conductor	Kovar alloy	Gold plated (Nickel underplated)
	Center conductor	Kovar alloy & Beryllium bronze	Gold plated (Nickel underplated)
	Connector-dielectric	PTFE	/
	Body	Kovar alloy	Gold plated (Nickel underplated)
	Nut & gasket	Brass	Gold plated (Nickel underplated)
	Gasket	FKM((FPM)	/

Test Results

Measure data, T_{amb}=300K



Outline drawing (Unmarked tolerance: $\pm 0.1\text{mm}$)

