

Rev:A00

2.92-FF Cryogenic Adapter



The standard 2.92mm interface can reach the frequency of 40GHz, and still has good performance at low temperature.

Technical requirements

Item	Specifications
Model	ADPG04044A116
Impedance	50Ω
Frequency range	DC-40GHz
Return loss	≥20dB(300K&77K)
Insert loss	≤0.6dB(300K&77K)
Insulation resistance	≥5000MΩ
Dielectrics voltage resistance	≤750Vrms
Temperature	10mK-300K
Connector	2.92-FF

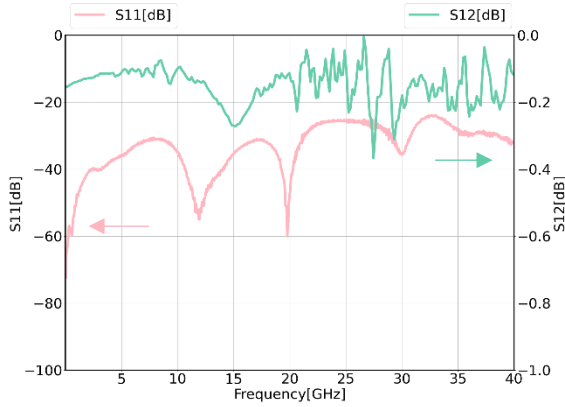
Material and surface

	Item	Material	Surface
2.92 Connector	Outer conductor	Beryllium bronze	Non-magnetic gold plated
	Center conductor	Beryllium bronze	Non-magnetic gold plated
	Connector-dielectric	PEI	/

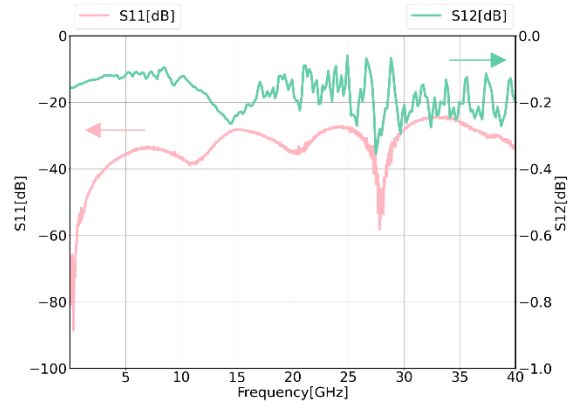
2.92-FF Cryogenic Adapter

Test Results

Measure data, $T_{amb}=300K$



Measure data, $T_{amb}=77K$



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

