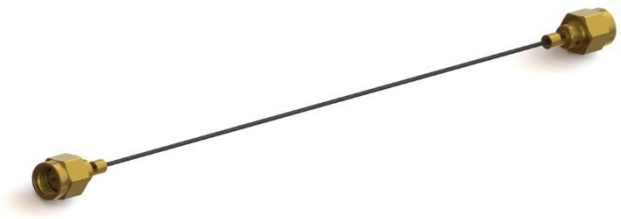
Rev:A00

SMA-MM-L-0.86mm Nb-Ti Cable



Length, connector and bending mode can be customized.

Technical requirements

Item	Specification
Frequency range	DC-1GHz, 1GHz -12GHz, 12GHz-18GHz
Return loss	⩾15dB@DC-1GHz(300K) ⩾19dB@1GHz -12GH (300K) ⩾17dB@12-18GHz(300K) ⩾15dB@DC-1GHz(77K) ⩾18dB@1GHz -12GH (77K) ⩾16dB@12-18GHz(77K)
Insert loss	Superconducting under ultra-low temperature
Insulation resistance	≥5000MΩ
Dielectrics voltage resistance	⩽250Vrms
Temperature	10mK-300K
Connector	SMA-M & SMA-M

Material and surface

Item		Material	Surface
SMA Connector	**Outer conductor**	Beryllium bronze	Non-magnetic gold plated
	Center conductor	Beryllium bronze	Non-magnetic gold plated
	Connector-dielectric	PTFE	/
Cable		Nb-Ti	/

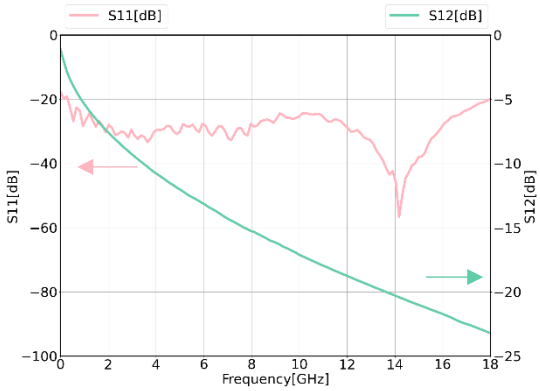
Nanjing HMC System Co., Ltd. Website: http://www.hqubit.com TEL: +86-25-84607662

Address: 1865 pioneer park, No. 388 Yingtian street, Qinhuai District, Nanjing, China 210006

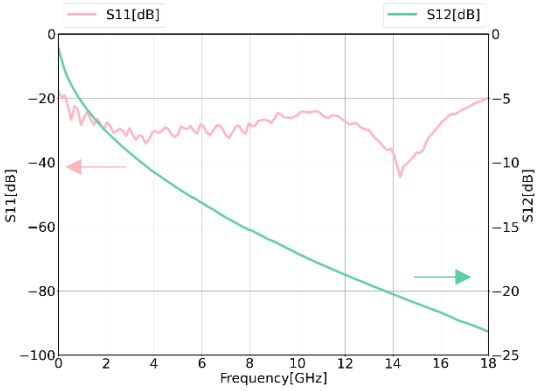
SMA-MM-L-0.86mm Nb-Ti Cable Assembly

Test results (GASG01811A403)

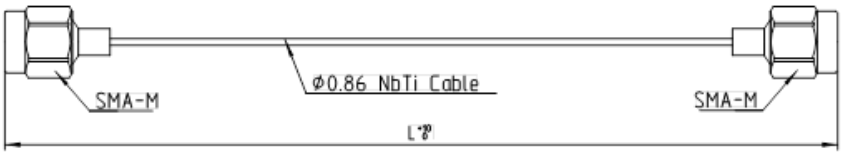
Measure data, T_{amb}=300K



Measure data, T_{amb}=77K



Outline drawing (Unmarked tolerance: ±0.1mm)



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