

RFSC520

Ultra Low Loss Phase Stable Coax Cable

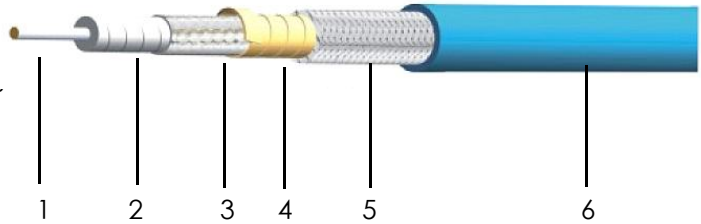
Ver A1 Release Date Match, 2015



P/N: 12052

Features&Benefits

- 77%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to
- Replace to



Construction Specification

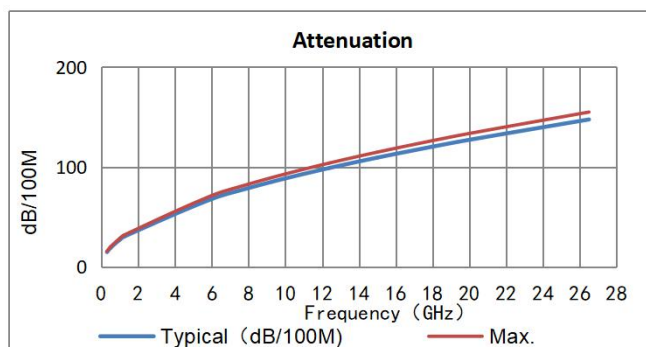
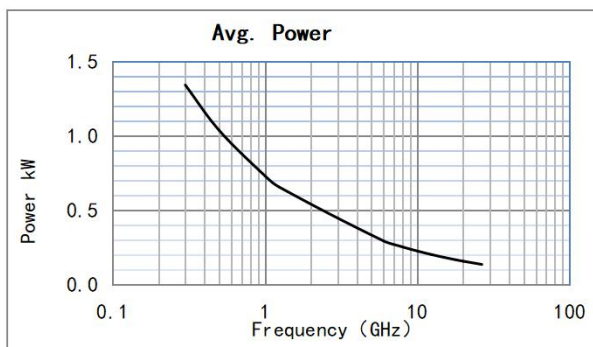
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.29	±0.02	Silver Plated Copper
2	Dielectric	3.85	±0.05	LD PTFE
3	Outer conductor	4.05	±0.05	Silver Plated Copper Foil
4	Innerlayer	4.35	±0.05	PTFE
5	Outer shield	4.75	±0.10	Silver Plated Copper
6	Jacket	5.20	±0.10	FEP Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	26
Bend Radius:repeated (mm)	52
Weight (g/m)	62
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	29

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	77%
Shielding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	2000



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	500	1000	1240	6000	8000	10000	12400	15000	18000	20000	26500
dB/100 m	14.9	19.2	27.3	30.4	68.1	78.9	88.6	99.1	109.4	120.4	127.2	147.6
Avg.Power kW	1.340	1.036	0.730	0.655	0.293	0.253	0.225	0.201	0.182	0.166	0.157	0.135
K1= 0.8531460						K2= 0.0003281						

Calculate Attenuation= $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$

Maximum attenuation is 10% higher.

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