

RFSD520

Ultra Low Loss Phase Stable Coax Cable

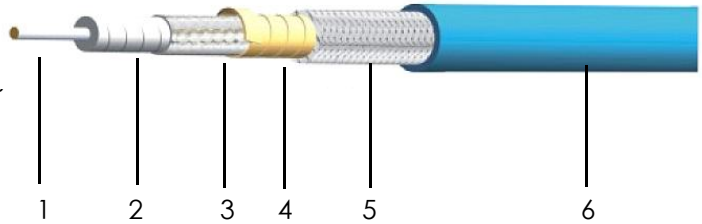
Ver A1 Release Date Match, 2015



P/N: 13052

Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to SFT-205
- Replace to HP190s, UFA205A,LL142
SUCOFLEX-104,32055



Construction Specification

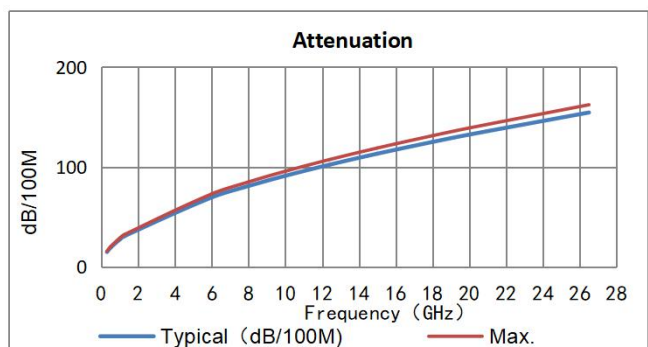
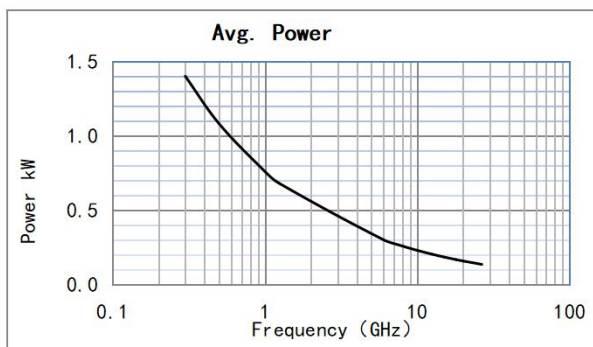
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.30	±0.02	Silver Plated Copper
2	Dielectric	3.90	±0.05	LD PTFE
3	Outer conductor	4.10	±0.05	Silver Plated Copper Foil
4	Innerlayer	4.25	±0.05	High Temperature Aluminum Tape
5	Outer shield	4.70	±0.10	Silver Plated Copper
6	Jacket	5.20	±0.10	FEP Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	20.8
Bend Radius:repeated (mm)	52
Weight (g/m)	60
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	28

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	1500



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	15.0	19.4	27.6	30.8	69.6	81.0	91.2	102.3	113.3	125.1	132.5	154.5
Avg.Power kW	1.399	1.080	0.759	0.680	0.300	0.258	0.229	0.204	0.185	0.167	0.158	0.135
K1=	0.8531460					K2=	0.0005906					

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

Maximum attenuation is 10% higher.

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