

RFSC600

Ultra Low Loss Phase Stable Coax Cable

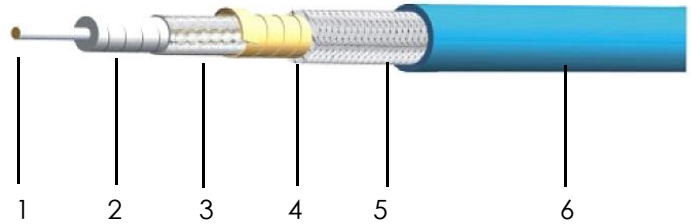
Ver A1 Release Date Match, 2015



P/N: 12060

Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durable
- Equivalent to SFT304
- Replace to HP305S,32051,LL392



Construction Specification

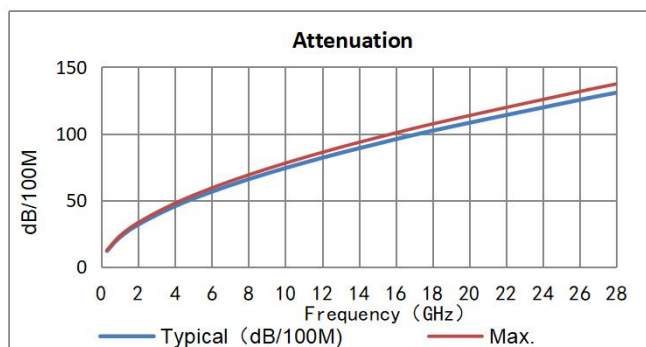
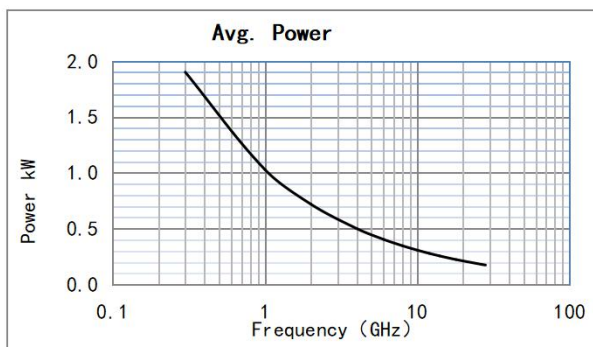
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.57	±0.02	Silver Plated Copper
2	Dielectric	4.72	±0.05	LD PTFE
3	Outer conductor	5.02	±0.05	Silver Plated Copper Foil
4	Inner layer	5.10	±0.10	Aluminum Laminate
5	Outer shield	5.55	±0.12	Silver Plated Copper
6	Jacket	6.00	±0.15	FEP Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	32
Bend Radius:repeated (mm)	63
Weight (g/m)	90
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

Electrical Specifications

Operation Frequency (GHz)	26.5	Bending phase	±10°@18GHz
Impedance (Ohms)	50	Mech. phase	±0.1@18GHz
Velocity of Propagation(%)	76		
Shielding Effectiveness (dB)	≥100		
Voltage Withstand (V,DC)	2000		



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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	28000
dB/100 m	12.0	22.2	31.7	45.5	56.4	65.8	74.2	81.9	89.1	102.2	126.8	130.8
Avg.Power kW	1.902	1.029	0.720	0.501	0.404	0.347	0.308	0.279	0.256	0.223	0.180	0.175

$$K1= 0.6827430$$

$$K2= 0.0005906$$

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

Maximum attenuation is 10% higher.

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