

RFSGL120

Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018



P/N: 16120

Features&Benefits

- 77%Vp LD PTFE+Copper Tube Shield
- Ultra Low Loss,Excellent Stable To Temperature



Construction Specification

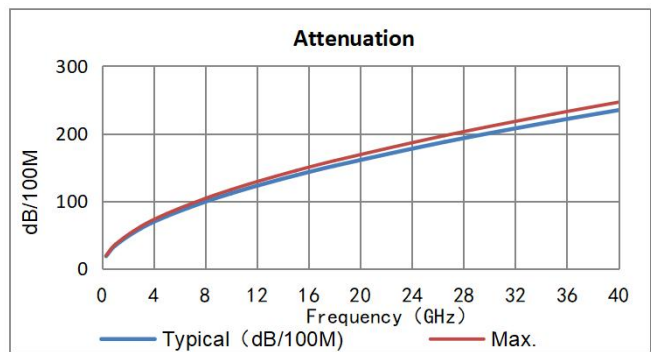
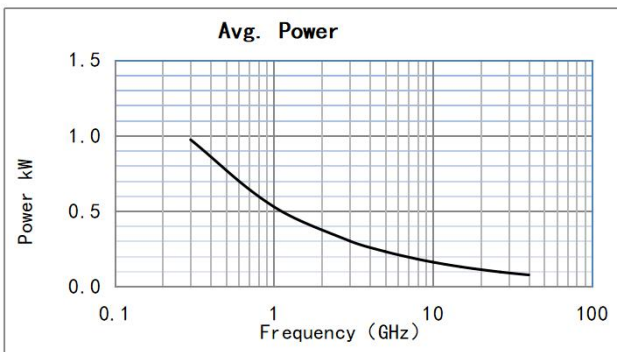
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.02	Silver Plated Copper
2	Dielectric	2.70	±0.03	LD PTFE or Foam PTFE
3	Outer conductor	3.05	±0.05	Bare Copper Tube Tinned Copper Tube Tinn&Zinc Copper Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	10.5
Bend Radius:repeated (mm)	40
Weight (g/m)	35
Temp, Operating&Installation (°C)	-65~250
Cutoff Frequency(GHz)	40

Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation(%)	76
Shielding Effectiveness (dB)	≥165
Voltage Withstand (V,DC)	600



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

Frequency MHz	300	1000	3000	5000	8000	10000	12000	15000	18000	26500	35000	40000
dB/100 m	18.5	34.0	59.6	77.6	99.1	111.4	122.7	138.1	152.2	187.4	218.0	234.6
Avg.Power kW	0.972	0.528	0.301	0.231	0.181	0.161	0.146	0.130	0.118	0.096	0.082	0.076
K1=	1.0550000					K2=	0.0005904					

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

Maximum attenuation is 10% higher.

Defined by: Luke

Shenzhen RFcoms Technology Co.,LTD

Prepared by: Eric

Website: www.rfcoms.com

Approved by: K.F. Lu

Tell: +86 13480725660 Fax:+86-755-28908582

Rev: A/0

Email: luke@rfcoms.com

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