

RFSGL141

Ultra Low Loss Phase Stable Semi Rigid Cable

Ver A1 Release Date Match, 2018



P/N: 16141

Features&Benefits

- 77%Vp LD PTFE+Copper Tube Shield
- Ultra Low Loss,Excellent Stable To Temperature
- Equivalent to CLL-50141
- Replace to UT-141-LL



Construction Specification

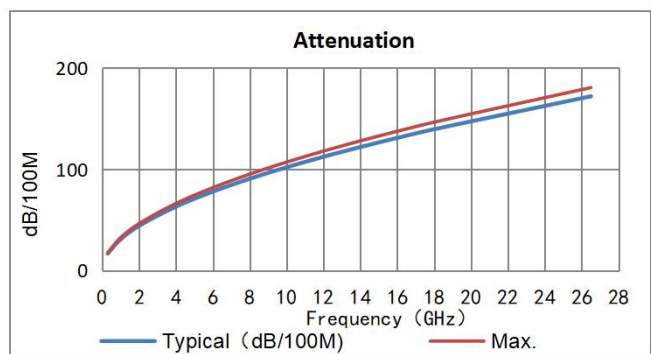
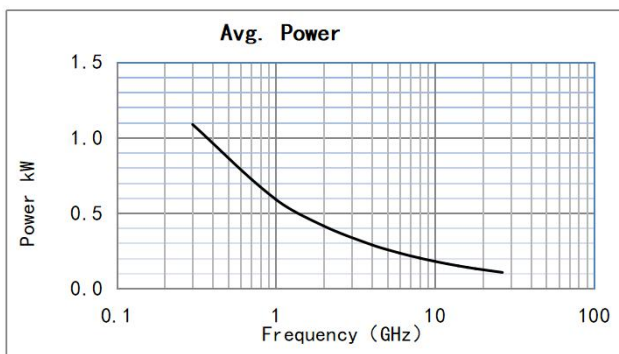
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.99	±0.02	Silver Plated Copper
2	Dielectric	3.00	±0.03	LD PTFE or Foam PTFE
3	Outer conductor	3.58	±0.05	Bare Copper Tube Tinned Copper Tube Tinn&Zinc Copper Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	20
Bend Radius:repeated (mm)	40
Weight (g/m)	43
Temp, Operating&Installation (°C)	-65~250
Cutoff Frequency(GHz)	34

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation(%)	76
Shielding Effectiveness (dB)	≥165
Voltage Withstand (V,DC)	1300



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	16000	18000	26500
dB/100 m	16.8	31.0	44.2	63.1	78.0	90.7	102.0	112.3	122.0	131.0	139.5	172.0
Avg.Power kW	1.086	0.590	0.414	0.289	0.234	0.201	0.179	0.163	0.150	0.139	0.131	0.106
K1=	0.9610400					K2=	0.0005885					

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

Maximum attenuation is 10% higher.

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