RFSGL086

Ultra Low Loss Phase Stable Semi Rigid Cable

Ver A1 Release Date Match, 2018

P/N: 16086

Features&Benefits

- 76%Vp LD PTFE+Copper Tube Shield
- Ultra Low Loss,Excellent Stable To Temperature
- Replace to UT-085-TP-LL

Construction Specification

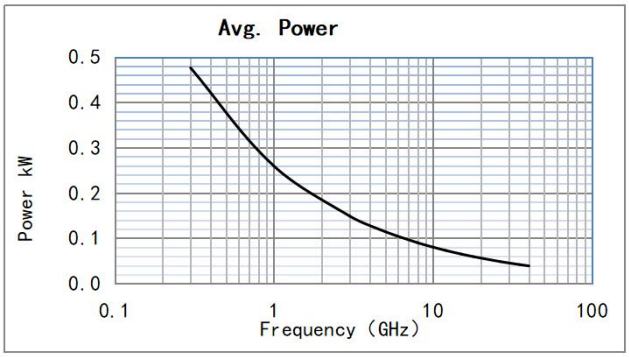
	Description	Size（mm)	Tol.	Materials
1	Center conductor	0.56	±0.02	Silver Plated Copper
2	Dielectric	1.68	±0.03	LD PTFE
3	Outer conductor	2.18	±0.05	Bare Copper Tube
				Tinned Copper Tube
				Tinn&Zinc Copper Tube

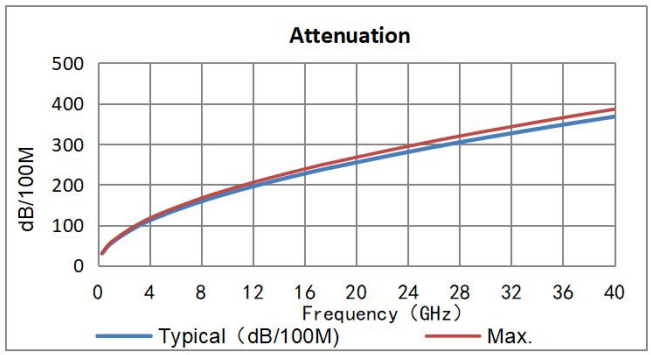
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	7
Bend Radious:repeated (mm)	25
Weight (g/m)	19
Temp, Operating&Installation (ºC)	-65～250
Cutoff Frequency(GHz)	64

Electrical Specifications

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





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

Frequency MHz	300	1000	3000	5000	8000	10000	12000	15000	18000	26500	35000	40000
dB/100 m	30.0	55.0	96.0	124.6	158.5	177.9	195.5	219.5	241.4	295.6	342.4	367.5
Avg.Power kW	0.476	0.259	0.149	0.115	0.090	0.080	0.073	0.065	0.059	0.048	0.042	0.039

K1= 1.7200000 K2= 0.0005885

Calculate Attenuation＝ K1* √FMhz+K2*FMHz Maximum attenuation is 10% higher.

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