

RFSGL023

Ultra Low Loss Phase Stable Semi Rigid Cable

Ver A1 Release Date Match, 2018



P/N: 16080

Features&Benefits

- 74%Vp LD PTFE+Copper Tube Shield
- Ultra Low Loss,Excellent Stable To Temperature
- Replace to UT-070-TP-LL



Construction Specification

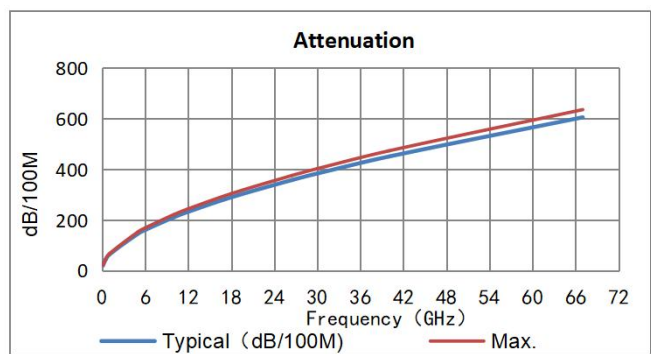
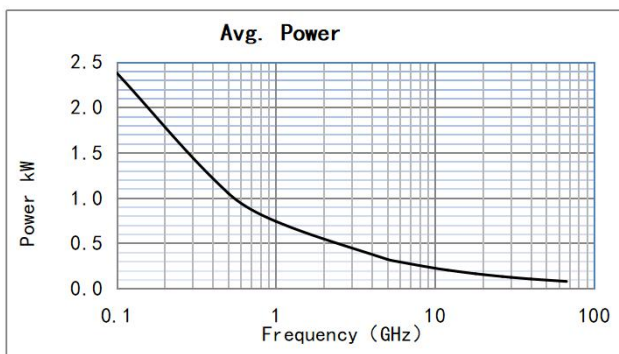
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.50	±0.03	LD PTFE
3	Outer conductor	2.05	±0.05	Bare Copper Tube Tinned Copper Tube Tinn&Zinc Copper Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	7
Bend Radius:repeated (mm)	22
Weight (g/m)	19
Temp, Operating&Installation (°C)	-65~250
Cutoff Frequency(GHz)	64

Electrical Specifications

Operation Frequency (GHz)	40.0
Impedance (Ohms)	50
Velocity of Propagation(%)	74
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	100	500	1000	5000	6000	10000	12000	18000	26500	30000	40000	67000
dB/100 m	19.8	44.6	63.5	146.0	160.7	210.8	232.4	289.4	357.9	383.4	450.5	605.2
Avg.Power kW	2.380	1.055	0.741	0.322	0.293	0.223	0.202	0.163	0.131	0.123	0.104	0.078
K1=	1.9626500					K2=	0.0014500					

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

Maximum attenuation is 10% higher.

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