

FSF-500

P/N 9404

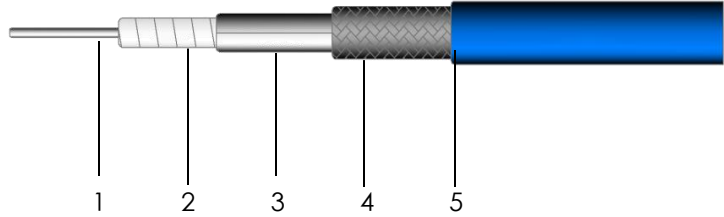


High Performance Low Loss Coax Cable

Ver B Release Date Jun,2017

Features&Benefits

- LD PTFE Tape+Al Tape
- Ultra-low loss
- Good price performance



Construction Specification

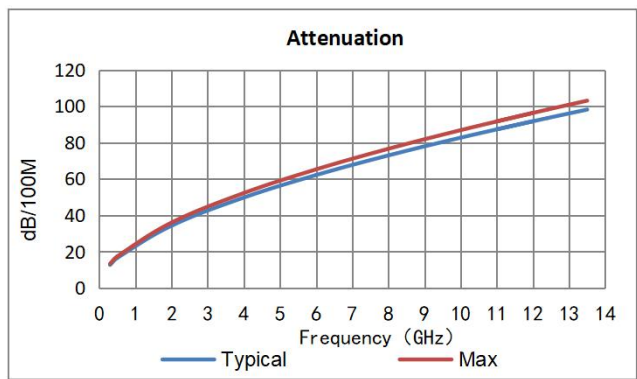
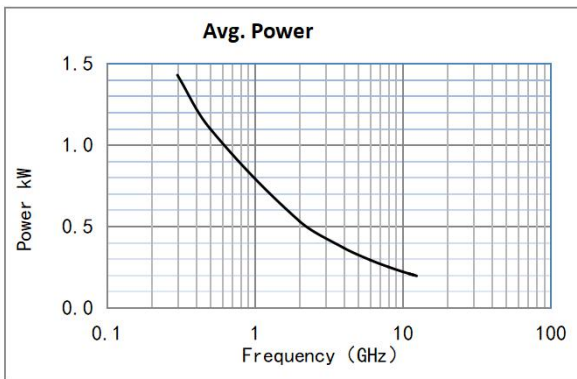
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.45	±0.03	Silver Plated Copper
2	Dielectric	4.30	±0.05	LD PTFE
3	Outer conductor	4.38	±0.08	Al Tape
4	Outer shield	4.78	±0.10	Silver Plated Copper
5	Jacket	5.20	±0.15	Blue FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	20
Bend Radius:repeated (mm)	52
Weight (g/m)	60
Temp, Operating&Installation (°C)	-55~155
Temp, Storage (°C)	-65~155

Electrical Specifications

Operation Frequency (GHz)	13.5
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	1500



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

Frequency MHz	300	500	2000	4000	6000	8000	10000	12000	11000	12400	13500
dB/100 m	12.8	16.6	34.3	49.8	62.1	72.9	82.7	91.7	87.3	93.4	98.1
Avg.Power kW	1.428	1.098	0.532	0.366	0.293	0.250	0.220	0.199	0.209	0.195	0.186
	K1= 0.7180000					K2= 0.0010880					

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

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