

FSF-750

P/N 9407

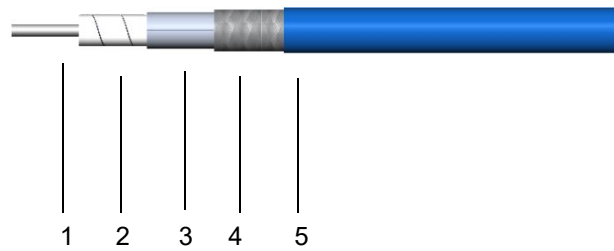


High Performance Low Loss Coax Cable

Ver B Release Date Apr,2014

Features&Benefits

- LD PTFE Tape+Al Tape
- Better Performance while bending



Construction Specification

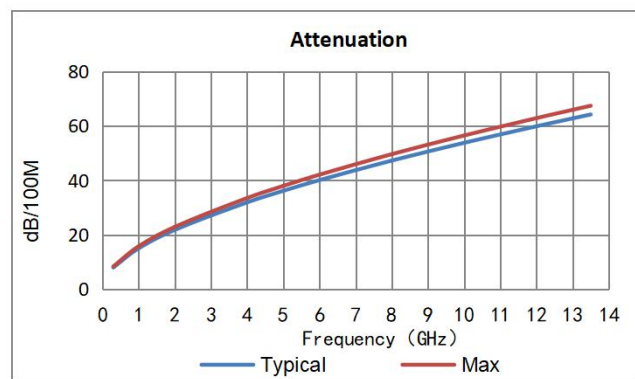
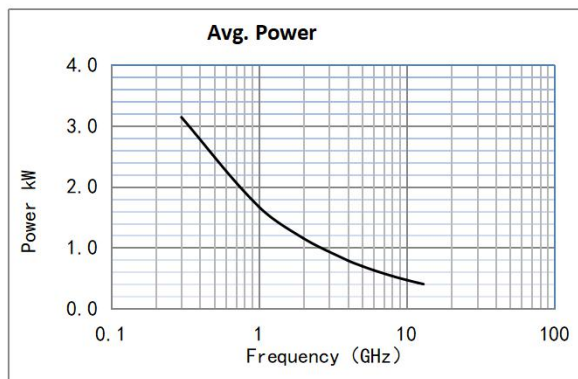
	Description	Size (mm)	Tol.	Materials
1	Center conductor	2.30	±0.03	Silver Plated Copper
2	Dielectric	6.70	±0.10	LD PTFE
3	Outer conductor	6.80	±0.10	Al Tape
4	Outer shield	7.25	7.5 Max	Silver Plated Copper
5	Jacket	7.80	±0.15	Blue FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	35
Bend Radius:repeated (mm)	75
Weight (g/m)	110
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)	2000



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

Frequency MHz	300	1000	2000	4000	5000	6000	8000	10000	12000	13000	13500
dB/100 m	8.0	15.1	21.8	31.9	36.2	40.1	47.3	53.8	59.9	62.8	64.2
Avg.Power kW	3.141	1.674	1.155	0.790	0.697	0.629	0.534	0.469	0.421	0.402	0.393
	K1= 0.4480000					K2= 0.0008980					

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

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