

FSG-600

P/N 9302

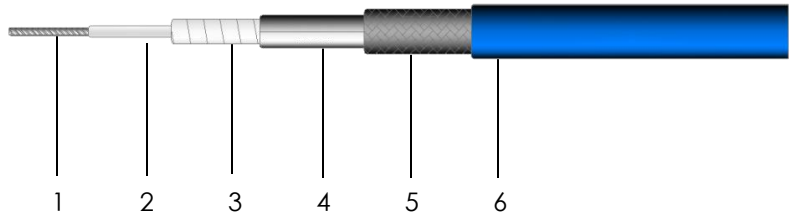


High Performance Low Loss Coax Cable

Ver B Release Date May, 2017

Features&Benefits

- 76%Vp LD PTFE Tape+Al Tape
- Ultra-low loss
- Good price performance
- Good softness



Construction Specification

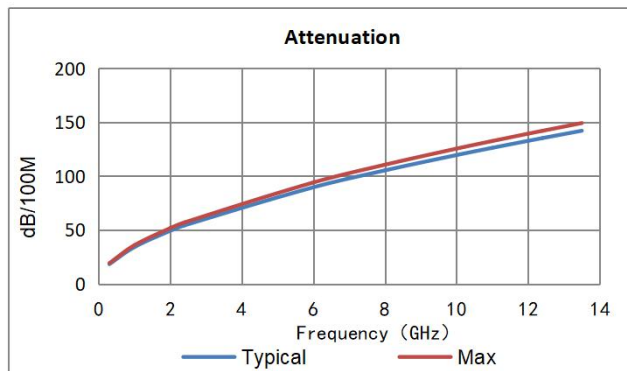
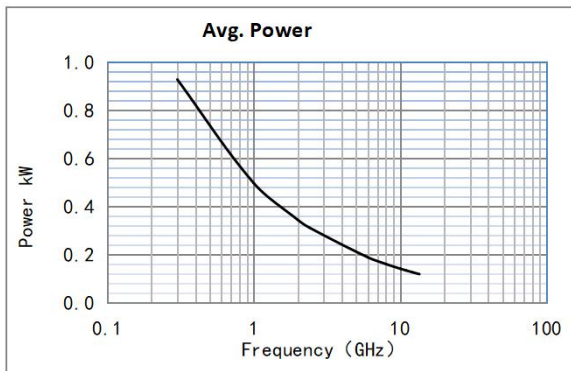
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.45	±0.03	19End Stranded Silver Plated Copper
2	insulation	1.60	±0.05	FEP
3	Dielectric	4.20	±0.06	LD PTFE
4	Outer conductor	4.28	±0.06	Al Tape
5	Outer shield	4.73	±0.07	Silver Plated Copper
6	Jacket	6.00	±0.20	Blue PUR

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	20
Bend Radius:repeated (mm)	60
Weight (g/m)	63
Temp, Operating&Installation (°C)	-55~85
Temp, Storage (°C)	-55~85

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	1000	2000	2400	6000	8000	10000	11000	12000	12400	13500
dB/100 m	18.3	34.1	49.2	54.3	89.6	105.3	119.6	126.3	132.8	135.3	142.2
Avg.Power kW	0.928	0.497	0.344	0.312	0.189	0.161	0.142	0.134	0.128	0.125	0.119
	K1= 1.0245600					K2= 0.0017130					

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

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