

RFSA220

Ultra Low Loss Phase Stable Coax Cable

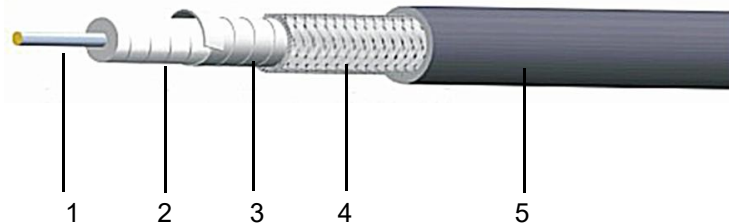
Ver A1 Release Date Match, 2018



P/N: 10022

Features&Benefits

- 82%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to Gore3506



Construction Specification

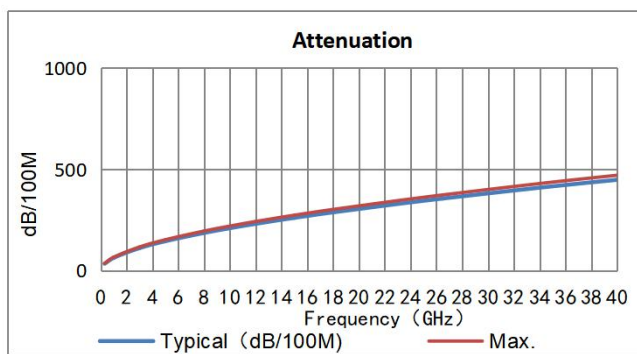
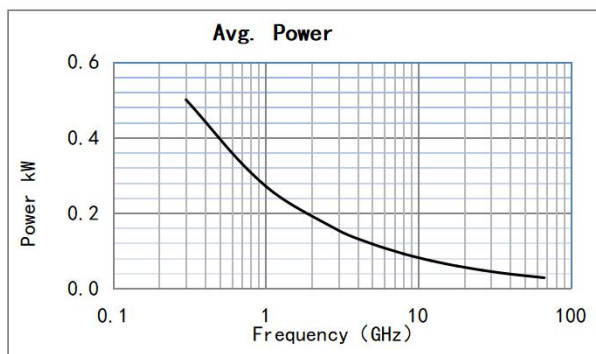
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.37	±0.03	LD PTFE
3	Outer conductor	1.50	1.60 Max.	Silver Plated Copper Foil
4	Outer shield	1.81	1.95 Max.	Silver Plated Copper
5	Jacket	2.20	±0.10	FEP Gray or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	11
Bend Radius:repeated (mm)	22
Weight (g/m)	18
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	70

Electrical Specifications

Operation Frequency (GHz)	67	Bending phase ±10°@40GHz
Impedance (Ohms)	50	Temp. phase 800PPM(-55~85)
Velocity of Propagation(%)	82	Mech. phase ±1.5@40GHz
Shielding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	500	



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

Frequency MHz	300	1000	3000	5000	8000	10000	12000	15000	18000	26500	40000	67000
dB/100 m	34.2	63.1	111.2	145.1	186.0	209.5	231.0	260.6	287.7	355.9	448.0	601.9
Avg.Power kW	0.500	0.271	0.154	0.118	0.092	0.082	0.074	0.066	0.059	0.048	0.038	0.028
K1=	1.9500000					K2=	0.0014500					

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

Maximum attenuation is 10% higher.

Defined by: Luke

Shenzhen RFcoms Technology Co.,LTD

Prepared by: Eric

Website: www.rfcoms.com

Approved by: K.F. Lu

Tell: +86 13480725660 Fax:+86-755-28908582

Rev: A/0

Email: luke@rfcoms.com

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