RFSA1200

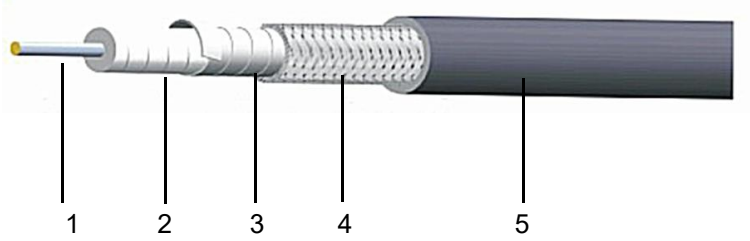
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 10120

Features&Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra-low loss, excellent temperature phase
- Equivalent to
- Replace to



Construction Specification

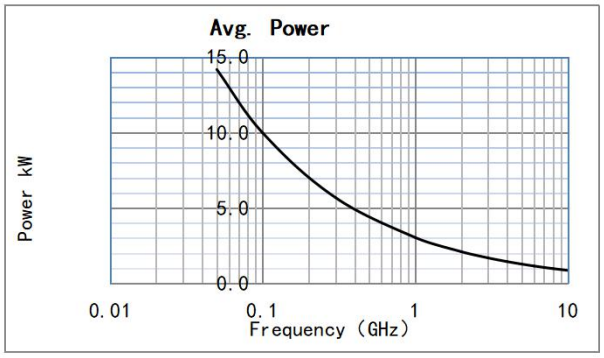
	Description	Size（mm）	Tol.	Materials
1	Center conductor	3.80	±0.03	Silver Plated Copper
2	Dielectric	10.40	±0.08	LD PTFE
3	Outer conductor	10.80	±0.08	Silver Plated Copper Foil
4	Outer sheild	11.30	±0.10	Silver Plated Copper
5	Jacket	12.00	±0.15	FEP Gray or customized

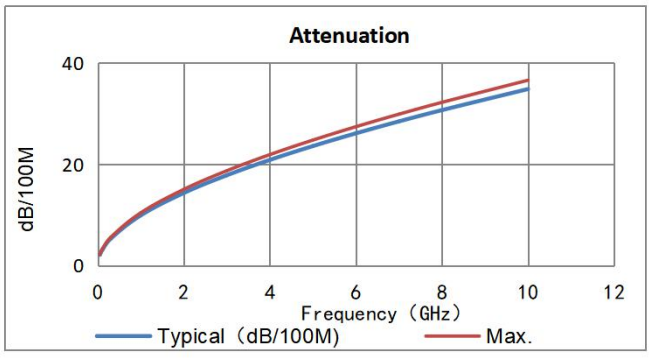
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	60
Bend Radious:repeated (mm)	120
Weight (g/m)	285
Temp, Operating&Installation (ºC)	-55～165
Cuttoff Frequency(GHz)	12

Electrical Specifications

Operation Frequency (GHz)	10	Bending phase	±5°@10GHz
Impedance (Ohms)	50	Temp. phase600PPM (-55~85)	
Velocity of Propagation	83%	Mech. phase	±0.05 @10GHz
Sheilding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	5000		





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

Frequency MHz	50	100	300	1000	2000	3000	4000	5000	6000	7000	8000	10000
dB/100 m	2.1	3.0	5.3	9.9	14.3	17.8	20.9	23.6	26.1	28.5	30.7	34.9
Avg.Power kW	14.170	9.971	5.687	3.043	2.108	1.694	1.448	1.281	1.157	1.061	0.984	0.867

K1= 0.2980000 K2= 0.0005050

Calculate Attenuation＝ K1* √FMhz+K2*FMHz Maximum attenuation is 10% higher.

Defined by：Luke

Prepared by: Eric

Approved by：K.F. Lu

Rev: A/0

Shenzhen RFcoms Technology Co.,LTD

Website：www.rfcoms.com

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

Email：luke@rfcoms.com