RFSA1000

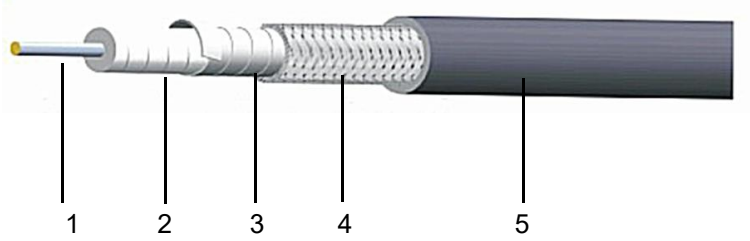
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 10100

Features&Benefits

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



Construction Specification

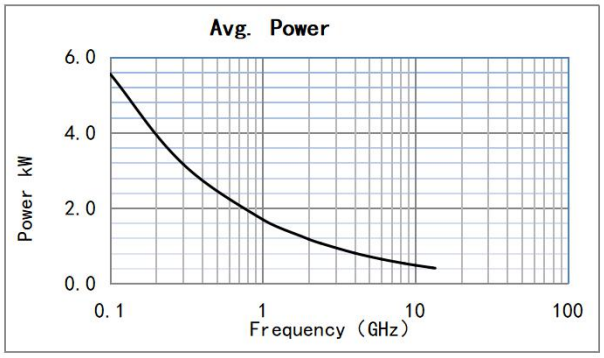
	Description	Size（mm)	Tol.	Materials
1	Center conductor	3.00	±0.03	Silver Plated Copper
2	Dielectric	8.25	±0.08	LD PTFE
3	Outer conductor	8.50	±0.08	Silver Plated Copper Foil
4	Outer sheild	9.15	±0.10	Silver Plated Copper
5	Jacket	10.00	±0.15	FEP Gray or customized

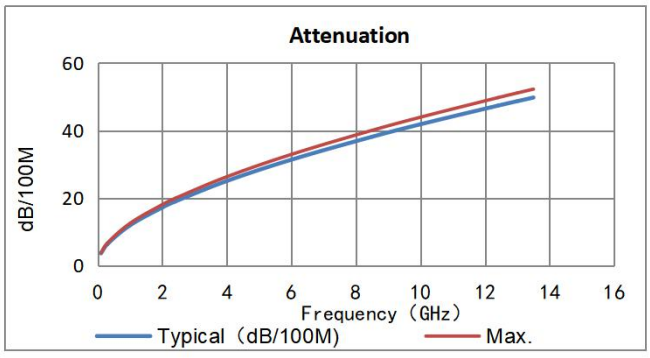
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	50
Bend Radious:repeated (mm)	100
Weight (g/m)	210
Temp, Operating&Installation (ºC)	-55～165
Cuttoff Frequency(GHz)	14

Electrical Specifications

Operation Frequency (GHz)	14	Bending phase
Impedance (Ohms)	50	Temp. phase
Velocity of Propagation	83%	Mech. phase
Sheilding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	5000	





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

Frequency MHz	100	300	1000	2000	2400	4000	6000	8500	10000	12400	13000	13500
dB/100 m	3.6	6.4	11.9	17.2	19.0	25.1	31.4	38.1	41.8	47.4	48.7	49.8
Avg.Power kW	5.550	3.166	1.694	1.173	1.064	0.806	0.644	0.530	0.483	0.427	0.415	0.406

K1= 0.3579940 K2= 0.0006050

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

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