RFSA800

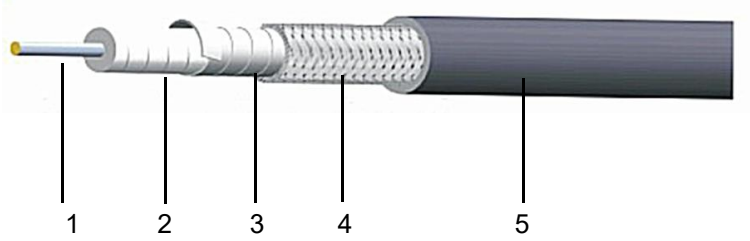
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 10080

Features&Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra-low loss, excellent temperature phase
- Equivalent to UFB311A
- Replace to CNX3450,HF290,IW2801 LA290,LLS290



Construction Specification

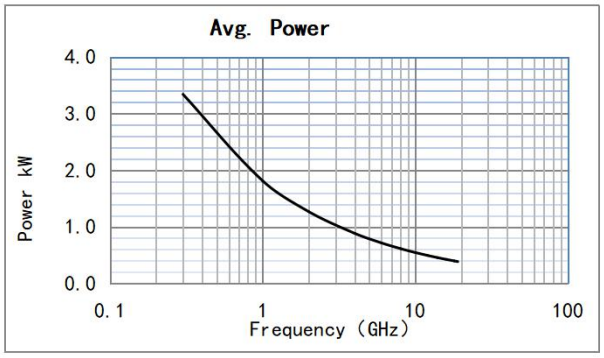
	Description	Size（mm）	Tol.	Materials
1	Center conductor	2.30	±0.03	Silver Plated Copper
2	Dielectric	6.25	±0.05	LD PTFE
3	Outer conductor	6.57	±0.05	Silver Plated Copper Foil
4	Outer sheild	7.15	±0.10	Silver Plated Copper
5	Jacket	7.81	±0.15	FEP Gray or customized

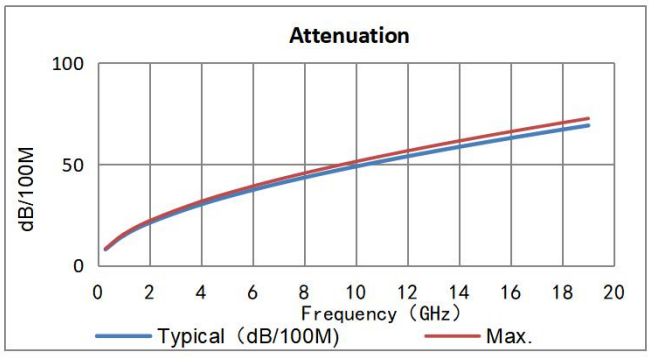
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	35.12
Bend Radious:repeated (mm)	78.1
Weight (g/m)	137
Temp, Operating&Installation (ºC)	-55～165
Temp, Storage (ºC)	19

Electrical Specifications

Operation Frequency (GHz)	18	Bending phase	±4°@18GHz
Impedance (Ohms)	50	Temp. phase600PPM (-55~85)	
Velocity of Propagation	83%	Mech. phase	±0.1 @18GHz
Sheilding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	3600		





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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000	19000
dB/100 m	8.0	14.8	21.1	30.2	37.3	43.4	48.9	53.9	58.6	63.0	67.1	69.1
Avg.Power kW	3.341	1.812	1.269	0.886	0.716	0.615	0.547	0.496	0.456	0.425	0.398	0.387

K1= 0.4563799 K2= 0.0003280

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

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Rev: A/0

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