

RFSA480

Ultra Low Loss Phase Stable Coax Cable

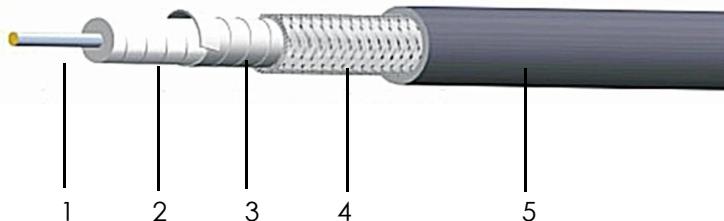
Ver A1 Release Date Match, 2018



P/N: 10048

Features&Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to CXN3449
- Replace to HF190, IW1801



Construction Specification

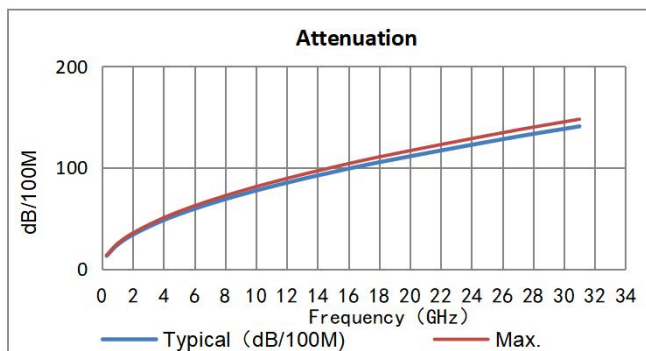
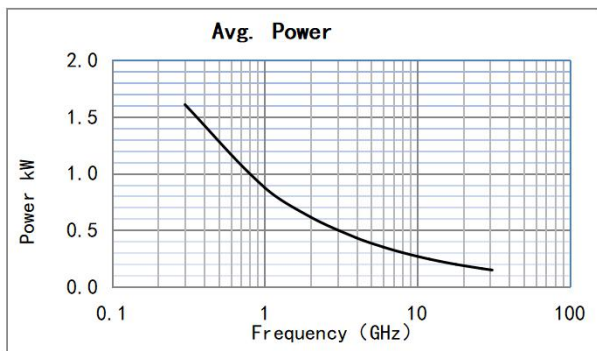
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.40	±0.03	Silver Plated Copper
2	Dielectric	3.80	±0.05	LD PTFE
3	Outer conductor	4.00	±0.05	Silver Plated Copper Foil
4	Outer shield	4.40	±0.12	Silver Plated Copper
5	Jacket	4.80	±0.15	FEP Gray or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	24
Bend Radius:repeated (mm)	48
Weight (g/m)	52
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	30

Electrical Specifications

Operation Frequency (GHz)	27	Bending phase±5°@26.5GHz
Impedance (Ohms)	50	Temp. phase 600PPM
Velocity of Propagation(%)	83	Mech. phase±0.10@26.5GHz
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	4000	6000	8000	10000	12000	14000	18000	26500	31000
dB/100 m	12.9	23.7	33.7	48.1	59.2	68.8	77.3	85.0	92.2	105.2	129.3	140.6
Avg.Power kW	1.608	0.875	0.615	0.431	0.350	0.301	0.268	0.244	0.225	0.197	0.160	0.147
K1=	0.7380000					K2=	0.0003450					

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

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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