

FSB-1200

P/N 9830

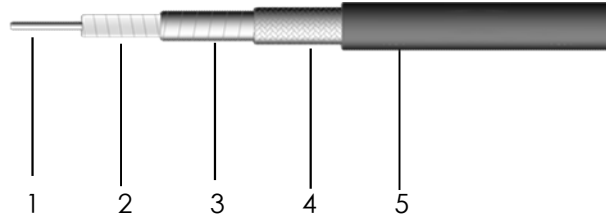


Low Loss Phase Stable Coax Cable

Ver B Release Date Oct, 2017

Features&Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to UFB311A
- Replace to CNX3450, HF290,IW2801



Construction Specification

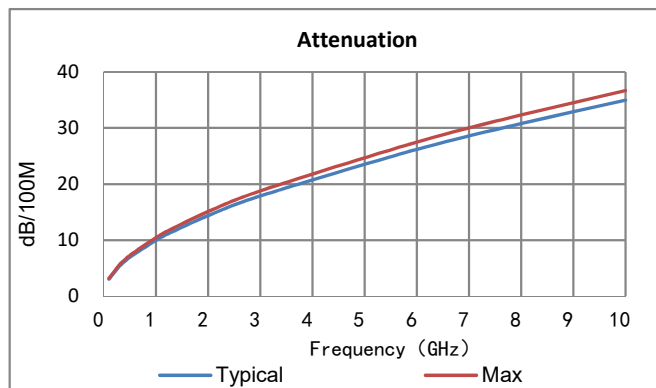
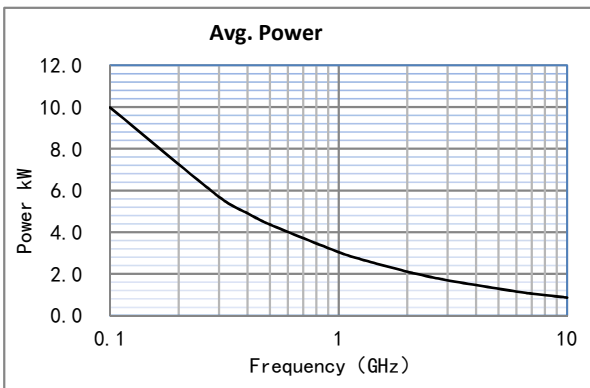
	Description	Size (mm)	Tol.	Materials
1	Center conductor	3.80	±0.03	Silver Plated Copper
2	Dielectric	10.40	±0.10	LD PTFE
3	Outer conductor	10.78	±0.15	Silver Plated Copper Foil
4	Outer shield	11.35	±0.20	Silver Plated Copper
5	Jacket	12.00	±0.20	Gray FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	60
Bend Radius:repeated (mm)	110
Weight (g/m)	280
Temp, Operating&Installation (°C)	-55 ~ 165
Temp, Storage (°C)	-65 ~ 165

Electrical Specifications

Operation Frequency (GHz)	10
Impedance (Ohms)	50
Velocity of Propagation	83%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	5000



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

Frequency MHz	100	300	400	500	1000	1250	2000	3000	6000	8000	10000
dB/100 m	3.0	5.3	6.2	6.9	9.9	11.2	14.4	17.9	26.2	30.8	35.0
Avg.Power kW	9.978	5.691	4.907	4.372	3.045	2.707	2.108	1.694	1.157	0.984	0.867
	K1= 0.2985150					K2= 0.0005100					

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

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