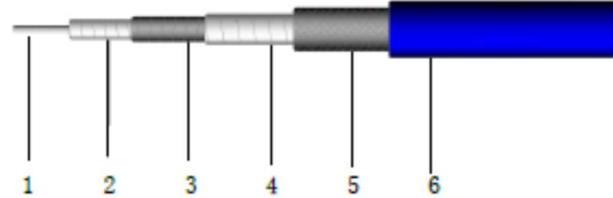


# FSB-330-P 50GHz Low Loss Phase Stable

## Features&Benefits

- 74%Vp PTFE Tape+SPC Foli
- Multi-layer protection, excellent stability



## Construction Specification

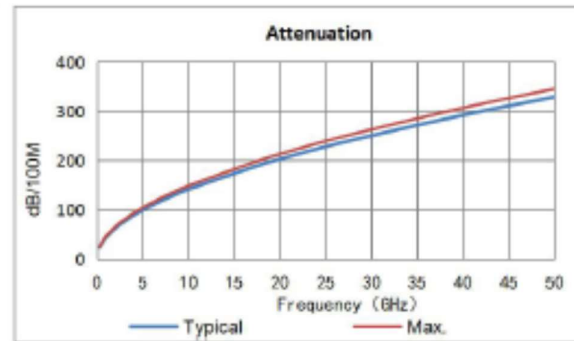
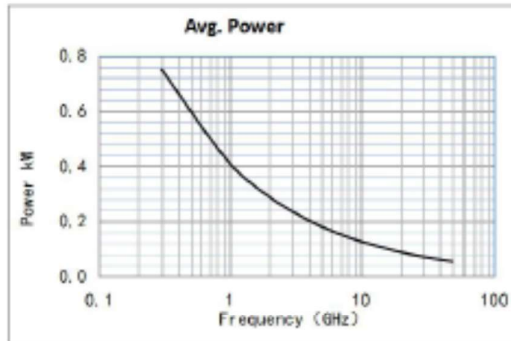
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.72	±0.02	Silver Plated Copper
2	Dielectric	2.21	±0.05	LD PTFE
3	Outer conductor	2.38	±0.07	Silver Plated Copper Foli
4	InnerTape	2.68	±0.07	LD PTFE
5	Outer shield	3.14	±0.10	Silver Plated Copper
6	Jacket	3.60	±0.10	Blue FEP

## Mechanical&Environmental Specifications

Bend Radius:Installation (mm)	14
Bend Radius:repeated (mm)	36
Weight (g/m)	34
Temp. Operating&Installation (°C)	-55~165
Temp. Storage (°C)	-65~165

## Electrical Specifications

Operation Frequency (GHz)	50
Impedance (Ohms)	50
Velocity of Propagation	74%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	1000



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

Frequency MHz	300	1000	2000	4000	6000	8000	10000	18000	20000	26500	40000	50000
dB/100 m	23.87	43.79	62.18	88.45	108.82	126.12	141.47	191.82	202.65	234.80	291.75	328.50
Avg.Power kW	0.750	0.409	0.288	0.202	0.165	0.142	0.127	0.092	0.088	0.076	0.061	0.055
K1=	1.3707349				K2= 0.0004400							

Calculate Attenuation= K1\* √ FMHz+K2\*FMHz