

SLB-230

P/N: 9801

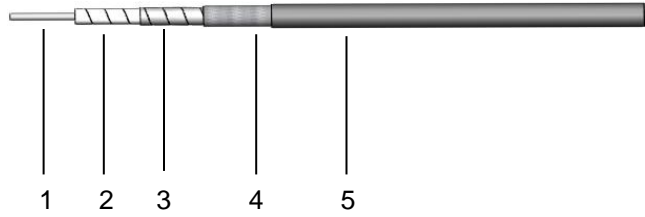


Ultra Low Loss Phase Stable Coax Cable

Ver A-1 Release Date Match, 2016

Features&Benefits

- 76%Vp PTFE Tape+SPC Foil
- Ultra Low Loss,Durable Test Cable

**Construction Specification**

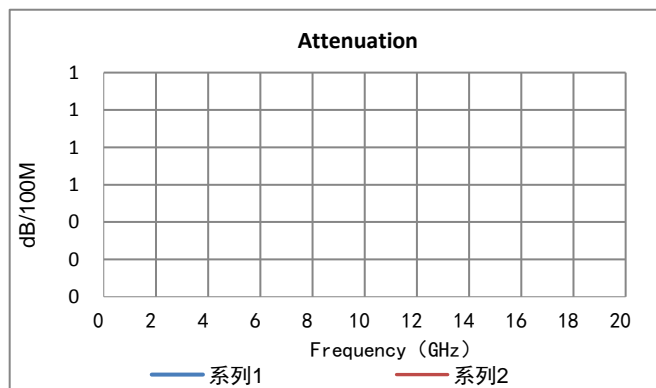
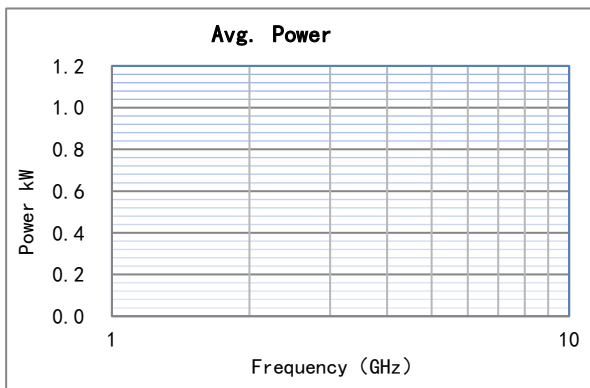
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.52	±0.02	Silver Plated Copper
2	Dielectric	1.50	N/A	LD PTFE
3	Outer conductor	1.75	1.8Max	Silver Plated Copper Foil
4	Outer sheild	2.05	2.1Max	Silver Plated Copper
5	Jacket	2.30	±0.10	Gray FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	15
Bend Radius:repeated (mm)	36
Weight (g/m)	18
Temp, Operating&Installation (°C)	-55 ~ 165
Temp, Storage (°C)	-65 ~ 165

Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	79%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	500

**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	20000	40000
dB/100 m	34.2	63.1	90.1	129.1	159.7	186.0	209.5	231.0	251.0	287.7	304.8	448.0
Avg.Power kW	0.500	0.271	0.190	0.132	0.107	0.092	0.082	0.074	0.068	0.059	0.056	0.038
	K1= 1.9500000					K2= 0.0014500						

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

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