

RFSD800

Ultra Low Loss Phase Stable Coax Cable

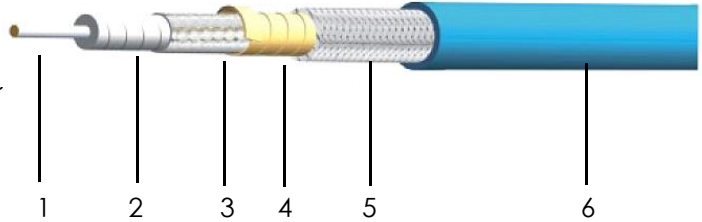
Ver A1 Release Date Match, 2015



P/N: 13080

Features&Benefits

- 83%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to
- Replace to



Construction Specification

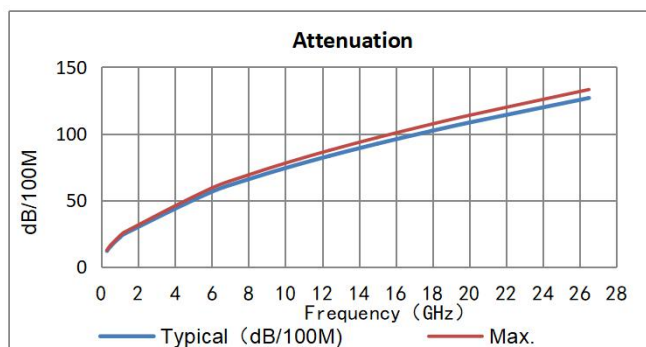
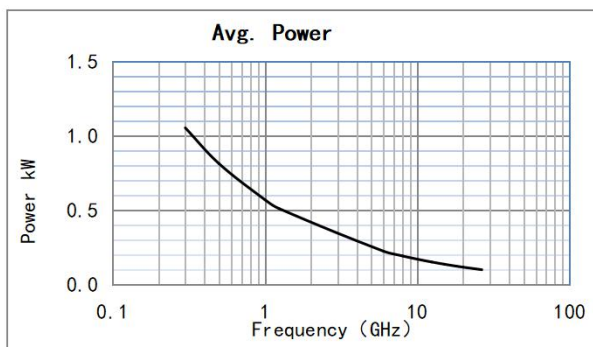
	Description	Size (mm)	Tol.	Materials
1	Center conductor	2.30	±0.02	Silver Plated Copper
2	Dielectric	6.30	±0.05	LD PTFE
3	Outer conductor	6.52	±0.05	Silver Plated Copper Foil
4	Innerlayer	6.65	±0.05	High Temperature Aluminum Tape
5	Outer shield	7.15	±0.10	Silver Plated Copper
6	Jacket	7.80	±0.10	FEP Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	39
Bend Radius:repeated (mm)	78
Weight (g/m)	112
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	18

Electrical Specifications

Operation Frequency (GHz)	18	Bending phase	±5°@18GHz
Impedance (Ohms)	50	Mech. phase	±0.05@18GHz
Velocity of Propagation	83%		
Shielding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	4000		



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

Frequency MHz	300	500	1000	1240	6000	8000	10000	12400	15000	18000	20000	26500
dB/100 m	12.0	15.6	22.2	24.8	56.4	65.8	74.2	83.4	92.5	102.2	108.4	126.8
Avg.Power kW	1.052	0.811	0.569	0.510	0.224	0.192	0.170	0.151	0.137	0.124	0.117	0.100
K1=	0.6827428					K2=	0.0005906					

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

Maximum attenuation is 10% higher.

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