

# RFSD2500

Ultra Low Loss Phase Stable Coax Cable

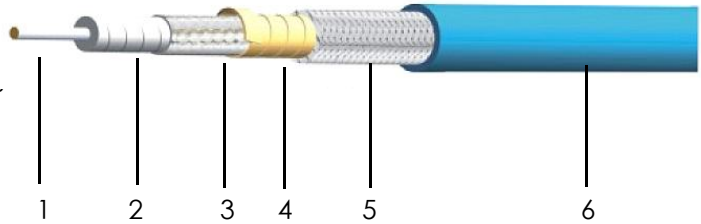
Ver A1 Release Date Match, 2015



P/N: 13150

## Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to
- Replace to



## Construction Specification

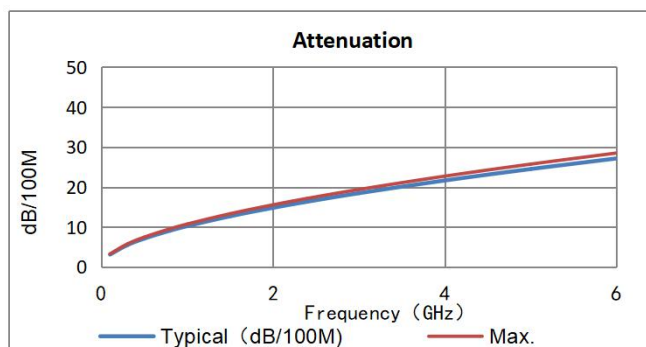
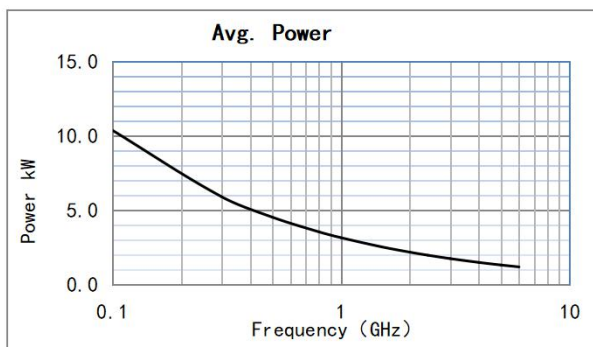
	Description	Size (mm)	Tol.	Materials
1	Center conductor	4.40	±0.02	Silver Plated Copper
2	Dielectric	12.50	±0.05	LD PTFE
3	Outer conductor	12.82	±0.05	Silver Plated Copper Foil
4	Innerlayer	12.95	±0.15	High Temperature Aluminum Tape
5	Outer shield	13.65	±0.20	Silver Plated Copper
6	Jacket	14.70	±0.20	FEP Blue or customize

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	73.5
Bend Radius:repeated (mm)	147
Weight (g/m)	410
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	10

## Electrical Specifications

Operation Frequency (GHz)	6
Impedance (Ohms)	50
Velocity of Propagation	76%
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	100	300	500	800	1000	1500	2000	2400	3000	4000	5000	6000
dB/100 m	3.1	5.5	7.1	9.1	10.2	12.7	14.8	16.3	18.5	21.6	24.5	27.1
Avg.Power kW	10.351	5.894	4.523	3.537	3.144	2.534	2.171	1.967	1.742	1.486	1.312	1.184
K1=	0.3046000					K2=	0.0005906					

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

Maximum attenuation is 10% higher.

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