

RFSA360

Ultra Low Loss Phase Stable Coax Cable

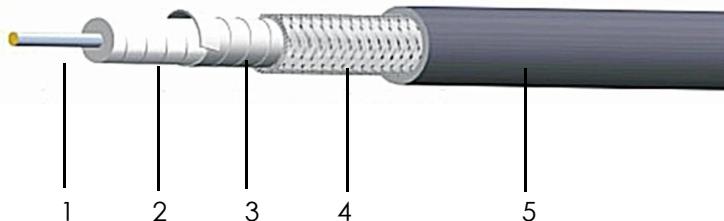
Ver A1 Release Date Match, 2018



P/N: 10036

Features&Benefits

- 82%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to 3507
- Replace to UFB142A, HF130,IW1401



Construction Specification

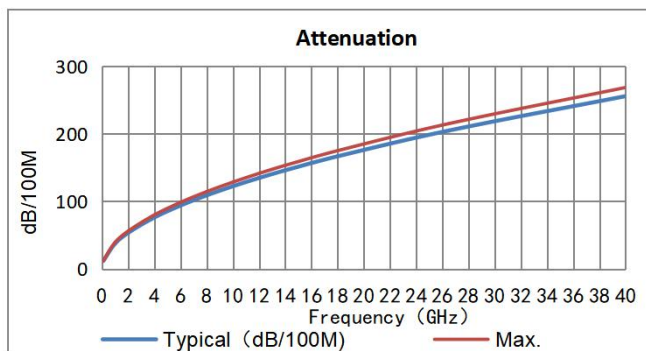
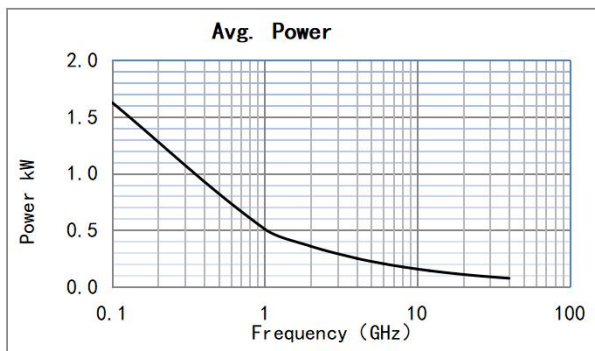
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.03	Silver Plated Copper
2	Dielectric	2.51	±0.05	LD PTFE
3	Outer conductor	2.71	±0.05	Silver Plated Copper Foil
4	Outer shield	3.20	±0.12	Silver Plated Copper
5	Jacket	3.60	±0.15	FEP Gray or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	15
Bend Radius:repeated (mm)	36
Weight (g/m)	30
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	48

Electrical Specifications

Operation Frequency (GHz)	40	Bending phase	±6°@40GHz
Impedance (Ohms)	50	Temp. phase	600PPM
Velocity of Propagation(%)	82	Mech. phase	±0.15@40GHz
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	100	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500	40000
dB/100 m	11.7	37.5	53.4	76.1	93.8	108.9	122.3	134.6	146.0	166.7	204.8	255.7
Avg.Power kW	1.626	0.509	0.358	0.251	0.203	0.175	0.156	0.142	0.131	0.115	0.093	0.075
K1=	1.1684700					K2=	0.0005500					

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

Maximum attenuation is 10% higher.

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