

RFSA380

Ultra Low Loss Phase Stable Coax Cable

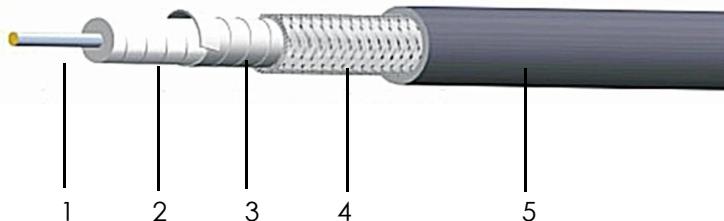
Ver A1 Release Date Match, 2018



P/N: 10038

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

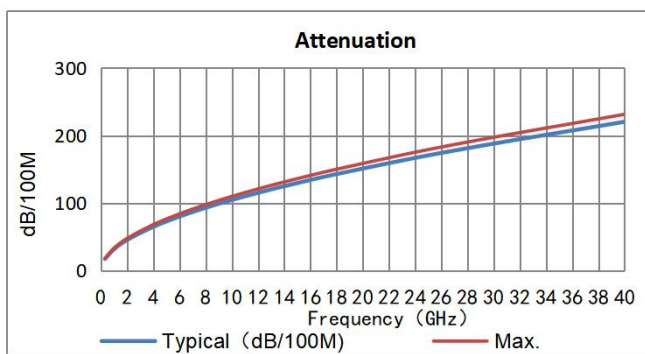
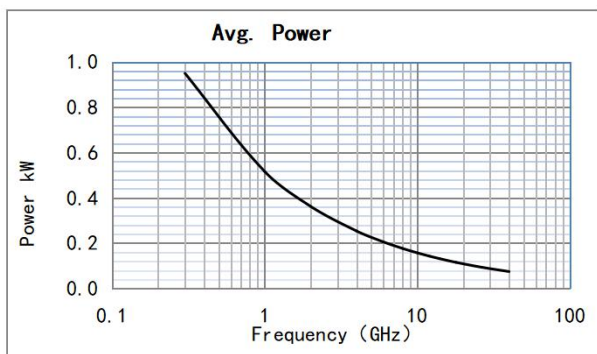
	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.02	±0.03	Silver Plated Copper
2	Dielectric	2.78	±0.05	LD PTFE
3	Outer conductor	3.00	±0.05	Silver Plated Copper Foil
4	Innerlayer	3.24	±0.05	LD PTFE
5	Outer shield	3.48	±0.12	Silver Plated Copper
6	Jacket	3.80	±0.15	FEP Gray or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	19
Bend Radius:repeated (mm)	38
Weight (g/m)	33
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	41

Electrical Specifications

Operation Frequency (GHz)	40	Bending phase	±8°@40GHz
Impedance (Ohms)	50	Temp. phase	600PPM
Velocity of Propagation(%)	82	Mech. phase	±0.10@40GHz
Shielding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	900		



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	26500	40000
dB/100 m	17.3	31.9	45.4	64.9	80.1	93.1	104.6	115.2	125.0	142.9	176.0	220.4
Avg.Power kW	0.950	0.516	0.362	0.254	0.206	0.177	0.157	0.143	0.132	0.115	0.094	0.075
K1=	0.9910000					K2=	0.0005549					

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

Maximum attenuation is 10% higher.

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