

RFSS047mini

Ultra Low Loss Phase Stable Coax Cable

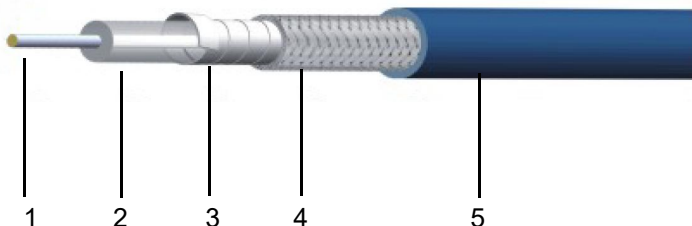
Ver A1 Release Date Match, 2018



P/N: 7047M

Features&Benefits

- 70%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to TFlex047-50



Construction Specification

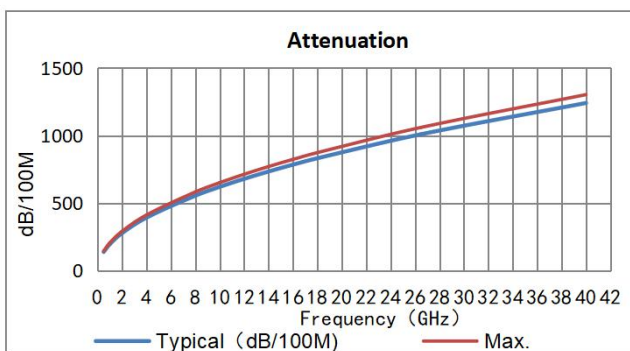
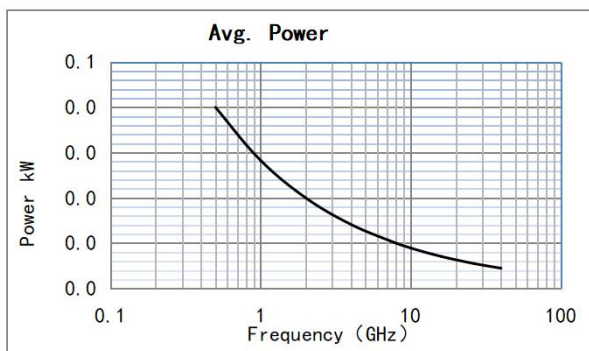
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.20	±0.02	Silver Plated Copper
2	Dielectric	0.66	±0.05	Extruded PTFE
3	Outer conductor	0.74	±0.05	Silver Plated Copper Foil
4	Outer shield	0.92	±0.10	Silver Plated Copper
5	Jacket	1.20	±0.10	FEP Blue or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	4.8
Bend Radius:repeated (mm)	12
Weight (g/m)	3
Temp, Operating&Installation (°C)	-55~125
Temp, Storage (°C)	-65~125

Electrical Specifications

Operation Frequency (GHz)	40	Cut-off Freq.(GHz)	156
Impedance (Ohms)	50		
Velocity of Propagation(%)	70		
Shielding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	300		



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

Frequency MHz	500	1000	2000	4000	8000	10000	12000	14000	16000	18000	26500	40000
dB/100 m	138.5	195.9	277.1	392.0	554.4	619.9	679.1	733.6	784.3	831.9	1009.5	1240.6
Avg.Power kW	0.040	0.028	0.020	0.014	0.010	0.009	0.008	0.008	0.007	0.007	0.005	0.004
K1=	6.1952100					K2=	0.0000390					

Calculate Attenuation= $K1 \cdot \sqrt{F \text{ MHz}} + K2 \cdot F \text{ MHz}$

Maximum attenuation is 10% higher.

Defined by: Luke

Shenzhen RFcoms Technology Co.,LTD

Prepared by: Eric

Website: www.rfcoms.com

Approved by: K.F. Lu

Tell: +86 13480725660 Fax:+86-755-28908582

Rev: A/0

Email: luke@rfcoms.com

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