

FSD-047

P/N 9616

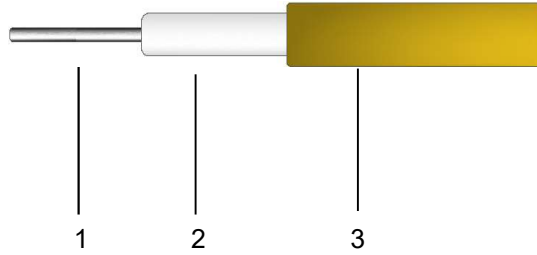
High Performance Low Loss Semi-Rigid Coax Cable

Ver A Release Date Apr, 2018



Features&Benefits

- LD-PTDE Core
- Ultra Low Loss, Excellent size stable vs. temp



Construction Specification

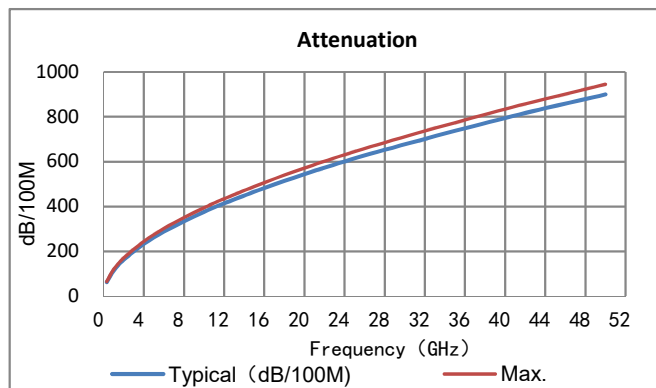
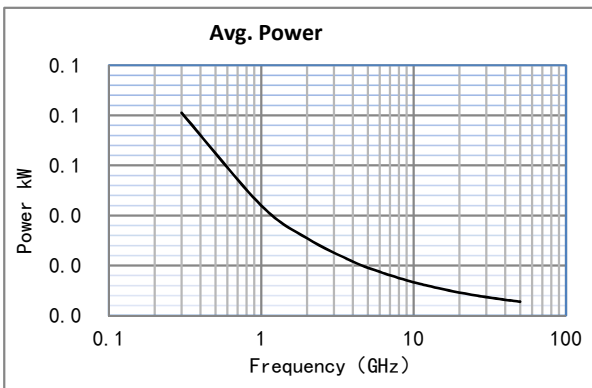
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.31	±0.02	SPC
2	Dielectric	0.94	±0.05	Foam PTFE
3	Outer conductor	1.19	±0.05	Seamless Copper Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	4
Bend Radius:repeated (mm)	N/A
Weight (g/m)	6
Temp, Operating&Installation (°C)	-60 ~ 250
Temp, Storage (°C)	-65 ~ 250

Electrical Specifications

Operation Frequency (GHz)	50
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	165
Voltage Withstand (V,DC)	300



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	18000	26500	40000	50000
dB/100 m	62.0	114.2	162.7	232.6	287.3	334.1	375.8	413.9	514.0	633.7	794.6	899.8
Avg.Power kW	0.081	0.044	0.031	0.022	0.017	0.015	0.013	0.012	0.010	0.008	0.006	0.006
	K1= 3.5422442					K2= 0.0021545						

Calculate Attenuation= K1* √ FMHz+K2*FMHz

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