RFSH280

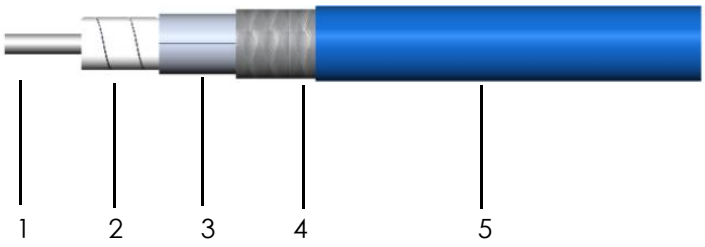
Ultra Low Loss Phase Stable Coax Cable

Ver A1 Release Date Match, 2018

P/N: 17028

Features&Benefits

- 76%Vp PTFE Tape+AL Foil+SPC shield
- Low Loss
- Excellent Cost Effectiveness
- Excellent Flexible



Construction Specification

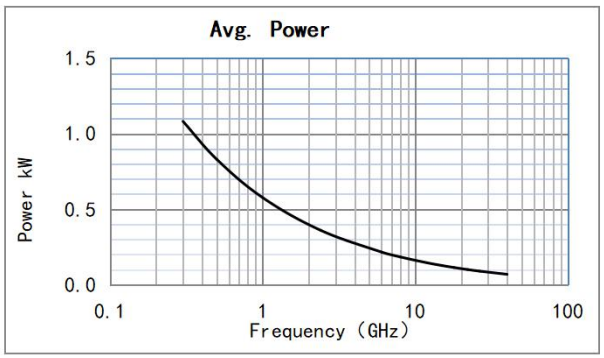
	Description	Size（mm）	Tol.	Materials
1	Center conductor	0.52	±0.03	Silver Plated Copper
2	Dielectric	1.55	±0.05	LD PTFE
3	Outer conductor	1.62	±0.05	Aluminium Foil
4	Outer sheild	2.02	±0.12	Silver Plated Copper Wire
5	Jacket	2.55	±0.15	FEP Blue or Customized

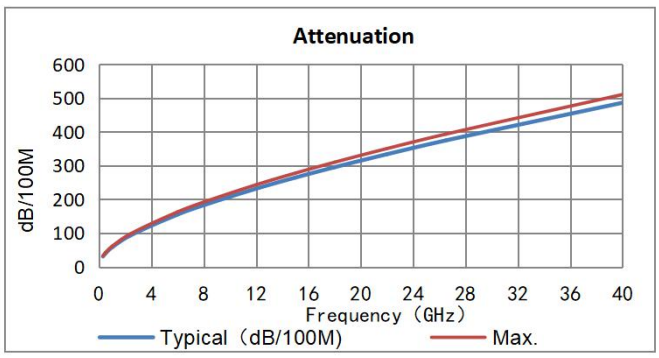
Mechanical&Environmental Specifications

Bend Radious:installation (mm)	12.75
Bend Radious:repeated (mm)	25.5
Weight (g/m)	19
Temp, Operating&Installation (ºC)	-55～125
Cuttoff Frequency(GHz)	33

Electrical Specifications

Operation Frequency (GHz)	26.5	Bending phase±8°@26.5GHz
Impedance (Ohms)	50	Mech. phase±0.10@26.5GHz
Velocity of Propagation(%)	76	
Sheilding Effectiveness (dB)	≥90	
Voltage Withstand (V,DC)	500	





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

Frequency MHz	300	500	1000	2400	6000	8000	12000	15000	18000	22000	26500	40000
dB/100 m	31.0	40.4	58.2	93.2	155.0	182.7	231.5	264.4	295.1	333.6	374.4	486.0
Avg.Power kW	1.082	0.830	0.577	0.360	0.216	0.184	0.145	0.127	0.114	0.101	0.090	0.069

K1= 1.7300000 K2= 0.0035000

Calculate Attenuation＝ K1* √FMhz+K2*FMHz Maximum attenuation is 10% higher.

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