

RFSK330

Ultra Low Loss Phase Stable Coax Cable

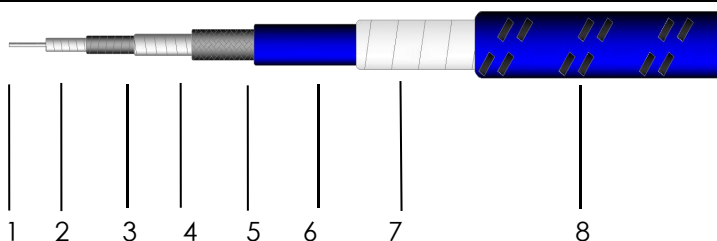
Ver A1 Release Date Match, 2015



P/N: 20033A

Features&Benefits

- 74%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durable
- Equivalent to
- Replace to



Construction Specification

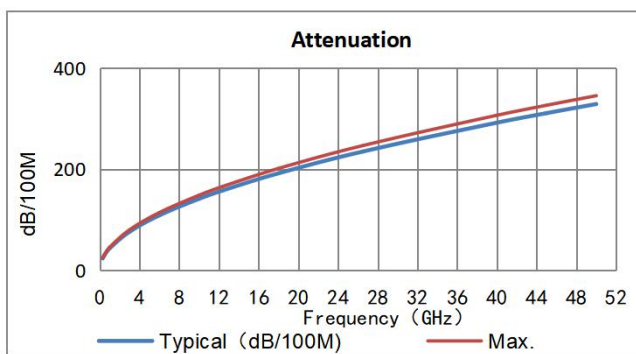
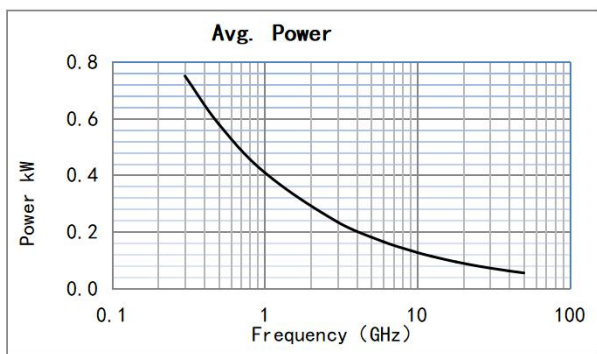
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.72	±0.02	Silver Plated Copper
2	Dielectric	2.21	±0.05	LD PTFE
3	Outer conductor	2.38	±0.05	Silver Plated Copper Foil
4	Innerlayer	2.68	±0.15	PTFE
5	Outer shield	3.15	±0.10	Silver Plated Copper
6	Jacket	3.55	±0.10	FEP Blue or customize
7	Waterproof layer	3.79	±0.15	Waterproof layer
8	Jacket	4.60	±0.15	PTFE jacket

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	23
Bend Radius:repeated (mm)	46
Weight (g/m)	55
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	50

Electrical Specifications

Operation Frequency (GHz)	50	Bending phase	±6°@50GHz
Impedance (Ohms)	50	Mech. phase	±0.10@50GHz
Velocity of Propagation	74%		
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	300	500	1000	3000	6000	10000	12400	18000	26500	40000	45000	50000
dB/100 m	23.9	30.9	43.8	76.4	108.8	141.5	158.1	191.8	234.8	291.7	310.6	328.5
Avg.Power kW	0.750	0.580	0.409	0.234	0.165	0.127	0.113	0.093	0.076	0.061	0.058	0.055
K1=	1.3707349					K2=	0.0004400					

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

Maximum attenuation is 10% higher.

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