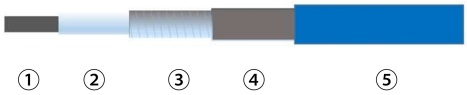
Super-Soft Low Loss Stable Phase Coaxial Cable, RCC500
DC-34GHz, ø5mm, P-Grade, Super Soft



01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

Frequency Range	DC-34GHz
Impedance	50 Ohms
CW power@25℃	48W @34GHz, 203W @3GHz
Attenuation@Length 1m	2.96 dB Max @34GHz
Capacitance	88 pF/m
VOP	76%
SE	90dB Min
Voltage	1800V@DC
Temp. Phase	1500PPM Max
OT	-55 ~ +85℃

03

Product Information

Product Number	RCC500, P-Grade
Product Type	Super-Soft Low Loss Stable Phase Coaxial Cable
Bend Radius (Inst.)	20.00mm
Bend Radius (Rep.)	40.00mm
Net Weight	About 51.0g per meter

04

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCC500-10M	10 m	Sealed bag
RCC500-300M	300 m	Wooden Reel

RCC500 Structure Characteristics		
Structure	**Material**	**Diameter**
1.Center Conductor	Stranded Silver-plated Copper	1.02 mm
2.Dielectric	LD-PTFE	3.00 mm
3.Inner shield	Silver-plated Copper Tape Wrapping	3.20 mm
4.Outer Shield	Silver-plated Copper Wire Braiding	3.72 mm
5.Jacket	Blue TPU	5.00 mm
Frequency(MHz)	**ATTEN(dB/100M)**	**Avg Power(W)**
300	20.45	693
500	26.68	531
1000	38.47	368
2000	55.89	253
2450	62.46	227
4000	82.00	173
6000	103.22	137
8000	121.90	116
12400	157.94	90
18000	198.03	72
26500	252.07	56
34000	295.60	48
dB/100M=**K1**× sqrt(FMHz) + **K2**× FMHz		
K1=1.1366 , **K2**=0.00253 , **P3**=14167.84		