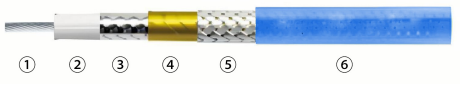
High-Power Low Loss Phase Stable Coaxial Cable, RCB1200
DC-10GHz, ø12.32mm, P-Grade, High Power



01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

Frequency Range	DC-10GHz
Impedance	50 Ohms
CW power@25℃	928W @10GHz, 1791W @3GHz
Attenuation@Length 1m	0.46 dB Max @10GHz
Capacitance	88 pF/m
VOP	76%
SE	90dB Min
Voltage	5000V@DC
Temp. Phase	1500PPM Max
OT	-55 ~ +200°C

03

Product Information

Product Number	RCB1200, P-Grade
Product Type	High-Power Low Loss Phase Stable Coaxial Cable
Bend Radius (Inst.)	61.60mm
Bend Radius (Rep.)	123.20mm
Net Weight	About 345.0g per meter

04

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCB1200-10M	10 m	Sealed bag
RCB1200-200M	200 m	Wooden Reel

RCB1200 Structure Characteristics		
Structure	**Material**	**Diameter**
1.Center Conductor	Stranded Silver-plated Copper	3.33 mm
2.Dielectric	LD-PTFE	9.40 mm
3.Inner shield	Silver-plated Copper Tape Wrapping	9.65 mm
4.Interlayer	Aluminum Foil Longitudinal Wrapping	9.78 mm
5.Outer Shield	Silver-plated Copper Wire Braiding	10.35 mm
6.Jacket	Light Blue FEP	12.32 mm
Frequency(MHz)	**ATTEN(dB/100M)**	**Avg Power(W)**
100	4.07	10388
300	7.12	5940
500	9.26	4571
1000	13.25	3194
2000	19.05	2221
2450	21.21	1995
3000	23.63	1791
4000	27.57	1535
5000	31.11	1360
6000	34.36	1231
8000	40.25	1051
10000	45.57	928
dB/100M=**K1**× sqrt(FMHz) + **K2**× FMHz		
K1=0.401902887 , **K2**=0.000538058 , **P3**=42309		
RCB1200 Replacement Model		
Times	SFT226	