



Rigid Coaxial Cable, RCS250 DC-19GHz, ø6.35mm, H-Grade

Dimensions(mm) Tolerance±1%



Electrical & Environmental

Frequency Range	DC-19GHz
Impedance	50 Ohms
Capacitance	94 pF/m
Velocity of Propagation	70%
Shielding Effectiveness	110dB Min
Withstand Voltage	2500V@DC
OT	-55~+125°C

Product Information

Product Number	RCS250, H-Grade
Product Type	Rigid Coaxial Cable
Bend Radius (Installation)	22.30mm
Bend Radius (Repeated)	N/A
Net Weight	About 146.0g per meter

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCS250-10M	10 m	Sealed bag

RCS250 Structure Characteristics

Structure	Material	Diameter
1.Center Conductor	Single-core Silver-plated Copper	1.63 mm
2.Dielectric	PTFE	5.30 mm
3.Outer Shield	Tin-plated Seamless Copper Tube	6.35 mm
Frequency(MHz)	ATTEN(dB/100M)	Avg Power(W)
300	11.35	2731
500	15.10	2053
1000	22.51	1377
2000	34.14	908
2450	38.71	801
3000	43.98	705
4000	52.89	586
6000	69.11	449
8000	84.02	369
10000	98.10	316
12400	114.21	271
18000	149.66	207
$\text{dB}/100\text{M} = \text{K1} \times \sqrt{\text{FMHz}} + \text{K2} \times \text{FMHz}$		
$\text{K1}=0.58727, \text{K2}=0.003937$		