



Rigid Coaxial Cable, **RCSL141** DC-40GHz, ø3.58mm, H-Grade, Low Loss

Dimensions(mm) Tolerance±1%



Electrical & Environmental

Frequency Range	DC-40GHz
Impedance	50 Ohms
Capacitance	87 pF/m
Velocity of Propagation	81%
Shielding Effectiveness	110dB Min
Withstand Voltage	1500V@DC
Temperature Phase	750 PPM Max
OT	-55~+250°C

Product Information

Product Number	RCSL141, H-Grade
Product Type	Rigid Coaxial Cable
Bend Radius (Installation)	12.00mm
Bend Radius (Repeated)	N/A
Net Weight	About 53.0g per meter

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCSL141-10M	10 m	Sealed bag

RCSL141 Structure Characteristics

Structure	Material	Diameter
1.Center Conductor	Single-core Silver-plated Copper	0.91 mm
2.Dielectric	LD-PTFE	2.55 mm
3.Outer Shield	Tin-plated Seamless Copper Tube	3.58 mm
Frequency(MHz)	ATTEN(dB/100M)	Avg Power(W)
500	24.85	708
1000	35.63	494
3000	63.86	276
4000	74.64	236
6000	93.27	189
8000	109.50	161
10000	124.20	142
12400	140.43	125
18000	174.35	101
26500	219.40	80
34000	255.22	69
40000	282.08	62
$dB/100M=K1 \times \sqrt{FMHz} + K2 \times FMHz$		
$K1=1.073608104, K2=0.001683992$		