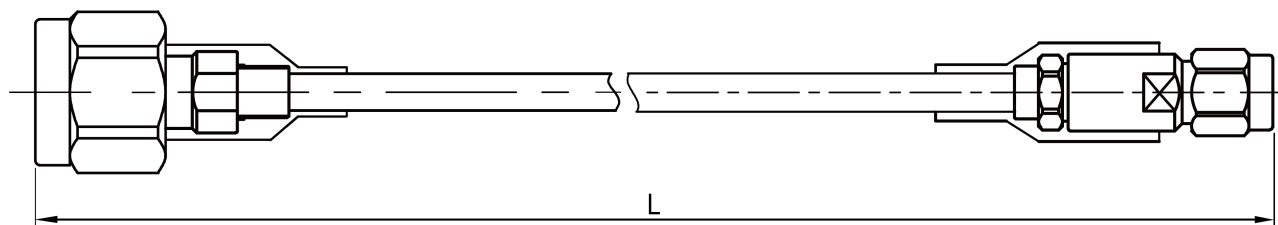




Ultra-Low Loss Phase Stable Cable Assembly, RCA510-NMSM-L

N Male to SMA Male, DC-18GHz, $\phi 5.1\text{mm}$

Dimensions(mm) Tolerance $\pm 1\%$



Electrical & Environmental

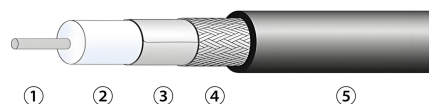
Frequency Range	DC-18GHz, 50 Ohms
Avg Power@25°C	208W @18GHz, 369W @6GHz
Insertion Loss@1M	1.54 dB Max @18GHz
VSWR	1.25 Max
Dielectric Constant	1.45
Capacitance	80 pF/m
Inductance	0.18 uH/m
Velocity of Propagation	83%
Shielding Effectiveness	90dB Min
Withstand Voltage	1500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA510-NMSM-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA510
Connector	N Male to SMA Male
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	25.50mm
Bend Radius (Repeated)	51.00mm

Customized services: including connectors, length, phase matching/tracking, time delay, and better electrical performance.

RCA510 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
1.Center Conductor	Single-core Silver-plated Copper	1.45
2.Dielectric	LD-PTFE	3.99
3.Inner shield	Silver-plated Copper Tape Wrapping	4.19
4.Outer Shield	Silver-plated Copper Wire Braiding	4.60
5.Jacket	Gray FEP	5.10

RCA510 Replacement Model

Micro-Coax	UFB205A
ZDecl	ZLB510

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	10GHz	18GHz
RCA510-NMSM-110	0.55 dB	0.59 dB	0.61 dB
RCA510-NMSM-2M	1.32 dB	2.06 dB	2.58 dB



Ultra-Low Loss Phase Stable Cable Assembly, RCA510-NMSM-L N Male to SMA Male, DC-18GHz, $\varnothing 5.1\text{mm}$

Typical Test Data

