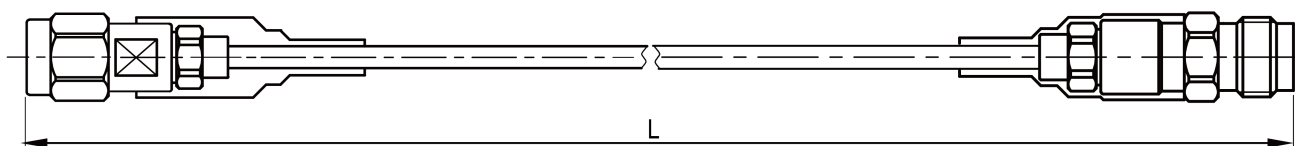


Ultra-Low Loss Phase Stable Cable Assembly, RCA220-SMSF-L SMA Male to SMA Female, DC-26.5GHz, ø2.2mm

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



Electrical & Environmental

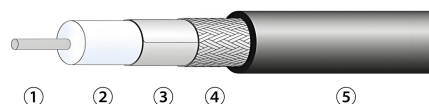
Frequency Range	DC-26.5GHz, 50 Ohms
Avg Power@25°C	11.9W @26.5GHz
I L@1M	4.04 dB Max @26.5GHz
VSWR	1.5 Max
Dk	1.49
Capacitance	80 pF/m
Inductance	0.21 uH/m
VOP	81%
SE	90dB Min
Voltage	500V@DC
Temp. Phase	750 PPM Max
OT	-40~+125°C

Product Information

Product Number	RCA220-SMSF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA220
Connector	SMA Male to SMA Female
Connector Body	Passivated stainless steel
Center Contact	Gold plated brass & Gold plated beryllium copper
Bend Radius	8.80mm
Bend Radius (Rep.)	22.00mm

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

RCA220 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	0.51
2.Dielectric	LD-PTFE	1.38
3.Inner shield	Silver-plated Copper Tape Wrapping	1.58
4.Outer Shield	Silver-plated Copper Wire Braiding	1.90
5.Jacket	Gray FEP	2.20

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	15GHz	26.5GHz
RCA220-SMSF-100	0.61 dB	0.76 dB	0.85 dB
RCA220-SMSF-150	0.67 dB	0.89 dB	1.03 dB
RCA220-SMSF-200	0.72 dB	1.02 dB	1.21 dB
RCA220-SMSF-300	0.84 dB	1.27 dB	1.56 dB
RCA220-SMSF-600	1.17 dB	2.05 dB	2.62 dB
RCA220-SMSF-1M	1.62 dB	3.08 dB	4.04 dB
RCA220-SMSF-1.5M	2.18 dB	4.37 dB	5.81 dB
RCA220-SMSF-2M	2.74 dB	5.66 dB	7.58 dB