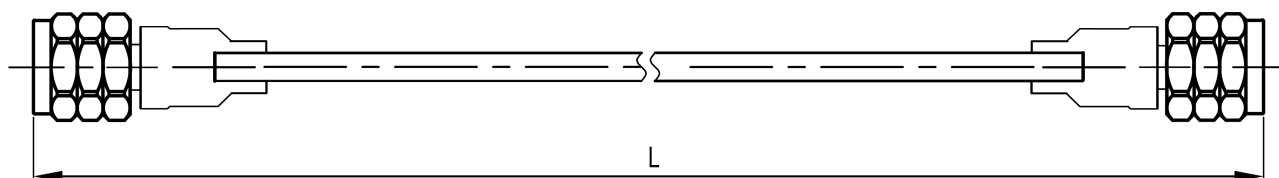




Ultra-Low Loss Phase Stable Cable Assembly, RCA220-VMVM-L 1.85mm Male to 1.85mm Male, DC-67GHz, $\varnothing 2.2\text{mm}$

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



Electrical & Environmental

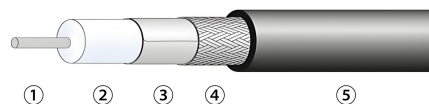
Frequency Range	DC-67GHz, 50 Ohms
Avg Power@25°C	10W @67GHz, 38W @6GHz
Insertion Loss@1M	6.23 dB Max @67GHz
VSWR	1.3 Max
Dielectric Constant	1.49
Capacitance	80 pF/m
Inductance	0.21 uH/m
Velocity of Propagation	81%
Shielding Effectiveness	90dB Min
Withstand Voltage	500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA220-VMVM-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA220
Connector	1.85mm Male to 1.85mm Male
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	8.80mm
Bend Radius (Repeated)	22.00mm

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

RCA220 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
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

RCA220 Replacement Model

Gore	CXN3506
ZDecl	ZLB220
润瀚	HA220

Product Selection and Loss Index @25°C

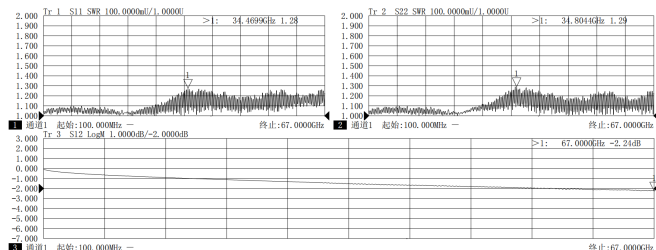
RFTOP P/N	3GHz	35GHz	67GHz
RCA220-VMVM-300	0.64 dB	1.54 dB	2.08 dB
RCA220-VMVM-500	0.86 dB	2.36 dB	3.27 dB
RCA220-VMVM-600	0.97 dB	2.77 dB	3.86 dB
RCA220-VMVM-900	1.31 dB	4.01 dB	5.64 dB
RCA220-VMVM-1M	1.42 dB	4.42 dB	6.23 dB



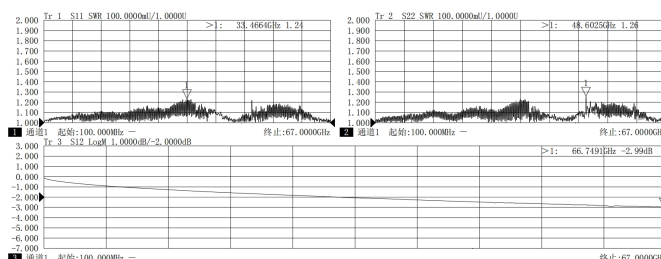
Ultra-Low Loss Phase Stable Cable Assembly, RCA220-VMVM-L 1.85mm Male to 1.85mm Male, DC-67GHz, $\varnothing$ 2.2mm

Typical Test Data

RCA220-VMVM-300



RCA220-VMVM-500



RCA220-VMVM-900

