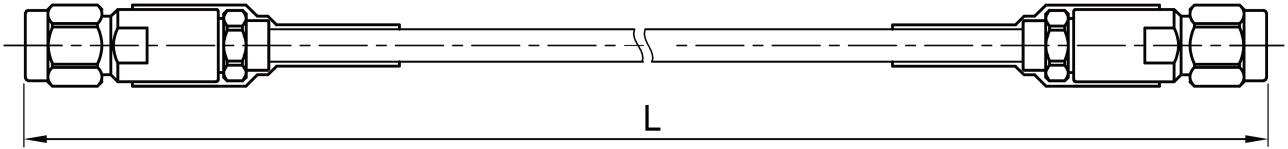




## Ultra-Low Loss Phase Stable Cable Assembly, RCA220-QMQM-L 3.5mm Male to 3.5mm Male, DC-26.5GHz, $\varnothing$ 2.2mm

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



### Electrical & Environmental

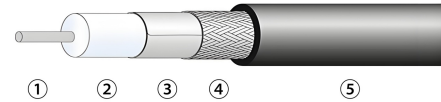
<b>Frequency Range</b>	DC-26.5GHz, 50 Ohms
<b>Avg Power@25°C</b>	11.9W @26.5GHz
<b>IL@1M</b>	4.04 dB Max @26.5GHz
<b>VSWR</b>	1.4 Max
<b>Dk</b>	1.49
<b>Capacitance</b>	80 pF/m
<b>Inductance</b>	0.21 uH/m
<b>VOP</b>	81%
<b>SE</b>	90dB Min
<b>Voltage</b>	500V@DC
<b>Temp. Phase</b>	750PPM Max
<b>OT</b>	-40~+125°C

### Product Information

<b>Product Number</b>	RCA220-QMQM-L
<b>Product Type</b>	Ultra-Low Loss Phase Stable Cable Assembly
<b>Cable</b>	RCA220
<b>Connector</b>	3.5mm Male to 3.5mm Male
<b>Connector Body</b>	Passivated stainless steel
<b>Center Contact</b>	Gold plated beryllium copper
<b>Bend Radius</b>	8.80mm
<b>Bend Radius (Rep.)</b>	22.00mm

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

### RCA220 Structure Characteristics



Structure	Material	$\Phi$ D(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-QMQM-100	0.61 dB	0.76 dB	0.85 dB
RCA220-QMQM-150	0.67 dB	0.89 dB	1.03 dB
RCA220-QMQM-200	0.72 dB	1.02 dB	1.21 dB
RCA220-QMQM-300	0.84 dB	1.27 dB	1.56 dB
RCA220-QMQM-600	1.17 dB	2.05 dB	2.62 dB
RCA220-QMQM-1M	1.62 dB	3.08 dB	4.04 dB



**Ultra-Low Loss Phase Stable Cable Assembly, RCA220-QMQM-L**  
3.5mm Male to 3.5mm Male, DC-26.5GHz,  $\varnothing$ 2.2mm

**Typical Test Data**

