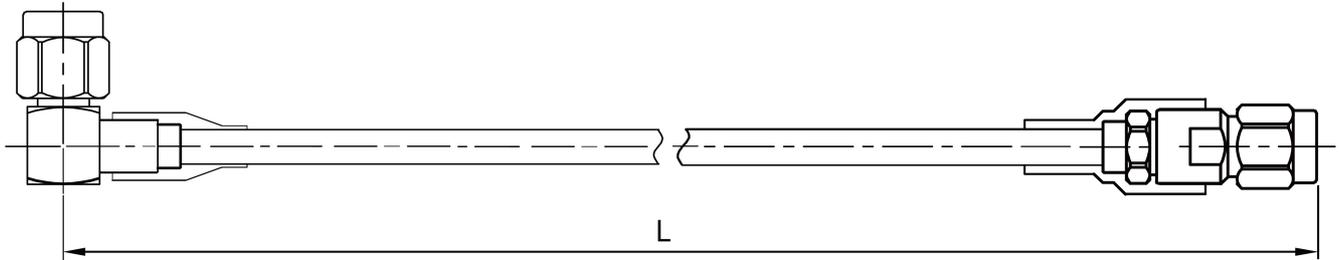


## Ultra-Low Loss Phase Stable Cable Assembly, RCA400-KMWKM-L 2.92mm Male to 2.92mm Male, DC-40GHz, $\varnothing$ 4mm

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



### Electrical & Environmental

<b>Frequency Range</b>	DC-40GHz, 50 Ohms
<b>Avg Power@25°C</b>	67.9W @40GHz
<b>I L@1M</b>	2.66 dB Max @40GHz
<b>VSWR</b>	1.45 Max
<b>Dk</b>	1.49
<b>Capacitance</b>	80 pF/m
<b>Inductance</b>	0.19 uH/m
<b>VOP</b>	83%
<b>SE</b>	90dB Min
<b>Voltage</b>	1000V@DC
<b>Temp. Phase</b>	750PPM Max
<b>OT</b>	-40~+125°C

### Product Information

<b>Product Number</b>	RCA400-KMWKM-L
<b>Product Type</b>	Ultra-Low Loss Phase Stable Cable Assembly
<b>Cable</b>	RCA400
<b>Connector</b>	2.92mm(K,SK) Male to 2.92mm(K,SK) Male
<b>Connector Body</b>	Passivated stainless steel
<b>Center Contact</b>	Gold plated beryllium copper
<b>Bend Radius</b>	20.00mm
<b>Bend Radius (Rep.)</b>	40.00mm

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

### RCA400 Structure Characteristics



Structure	Material	$\Phi$ D(mm)
1.Center Conductor	Single-core Silver-plated Copper	1.05
2.Dielectric	LD-PTFE	2.90
3.Inner shield	Silver-plated Copper Tape Wrapping	3.10
4.Outer Shield	Silver-plated Copper Wire Braiding	3.50
5.Jacket	Gray FEP	4.00

### Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	22GHz	40GHz
RCA400-KMWKM-300	0.67 dB	0.97 dB	1.15 dB
RCA400-KMWKM-600	0.85 dB	1.44 dB	1.80 dB
RCA400-KMWKM-1M	1.08 dB	2.07 dB	2.66 dB
RCA400-KMWKM-1.5M	1.37 dB	2.85 dB	3.74 dB
RCA400-KMWKM-2M	1.65 dB	3.64 dB	4.82 dB
RCA400-KMWKM-3M	2.23 dB	5.20 dB	6.98 dB