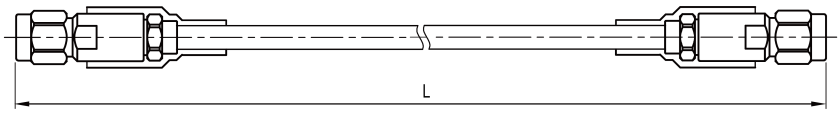


Ultra-Low Loss Phase Stable Cable Assembly, RCA400-KMKM-L
2.92mm Male to 2.92mm Male, DC-40GHz, ø4mm

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

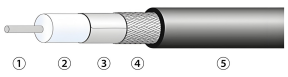
Frequency Range	DC-40GHz, 50 Ohms
Avg Power@25℃	67.9W @40GHz
I L@1M	2.66 dB Max @40GHz
VSWR	1.3 Max
Dk	1.49
Capacitance	80 pF/m
Inductance	0.19 uH/m
VOP	83%
SE	90dB Min
Voltage	1000V@DC
Temp. Phase	750 PPM Max
OT	-40~+125℃

03

Product Information

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

RCA400 Structure Characteristics



Structure	Material	ΦD(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℃

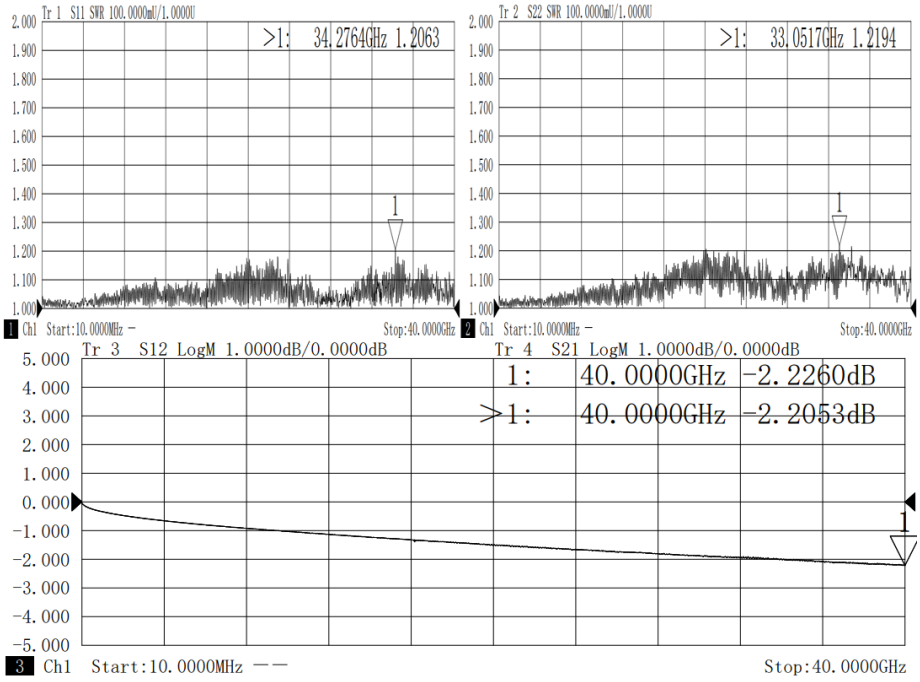
RFTOP P/N	3GHz	22GHz	40GHz
RCA400-KMKM-300	0.67 dB	0.97 dB	1.15 dB
RCA400-KMKM-600	0.85 dB	1.44 dB	1.80 dB
RCA400-KMKM-1M	1.08 dB	2.07 dB	2.66 dB
RCA400-KMKM-1.2M	1.19 dB	2.38 dB	3.09 dB
RCA400-KMKM-1.5M	1.37 dB	2.85 dB	3.74 dB
RCA400-KMKM-2M	1.65 dB	3.64 dB	4.82 dB
RCA400-KMKM-5M	3.38 dB	8.34 dB	11.29 dB
RCA400-KMKM-10M	6.27 dB	16.18 dB	22.08 dB



Ultra-Low Loss Phase Stable Cable Assembly, RCA400-KMKM-L
2.92mm Male to 2.92mm Male, DC-40GHz, ø4mm

04 Typical Test Data

RCA400-KMKM-1M



RCA400-KMKM-1.5M

