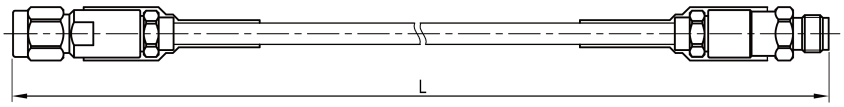


Ultra-Low Loss Phase Stable Cable Assembly, RCA360-KMKF-L
2.92mm Male to 2.92mm Female, DC-40GHz, ø3.6mm

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

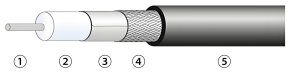
Frequency Range	DC-40GHz, 50 Ohms
Avg Power@25℃	52.5W @40GHz
I L@1M	3.06 dB Max @40GHz
VSWR	1.3 Max
Dk	1.49
Capacitance	80 pF/m
Inductance	0.19 uH/m
VOP	83%
SE	90dB Min
Voltage	1000V@DC
Temp. Phase	750PPM Max
OT	-40~+125℃

03

Product Information

Product Number	RCA360-KMKF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA360
Connector	2.92mm(K,SK) Male to 2.92mm(K,SK) Female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	18.00mm
Bend Radius (Rep.)	36.00mm

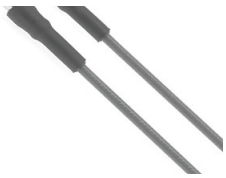
RCA360 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	0.91
2.Dielectric	LD-PTFE	2.50
3.Inner shield	Silver-plated Copper Tape Wrapping	2.66
4.Outer Shield	Silver-plated Copper Wire Braiding	3.11
5.Jacket	Gray FEP	3.60

Product Selection and Loss Index @25℃

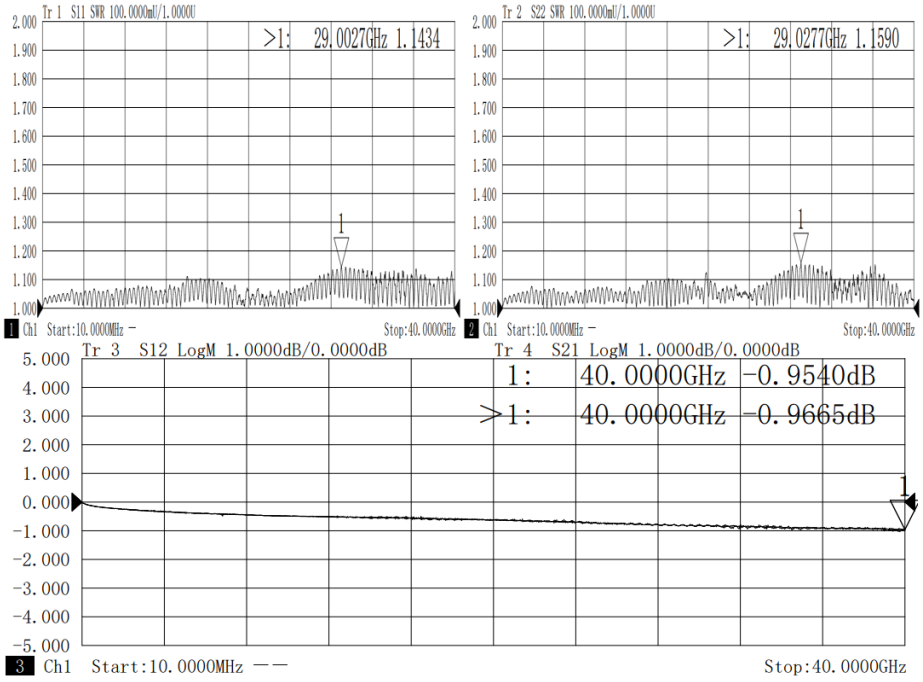
RFTOP P/N	3GHz	22GHz	40GHz
RCA360-KMKF-100	0.57 dB	0.68 dB	0.76 dB
RCA360-KMKF-200	0.63 dB	0.87 dB	1.01 dB
RCA360-KMKF-300	0.70 dB	1.05 dB	1.27 dB
RCA360-KMKF-600	0.89 dB	1.60 dB	2.03 dB
RCA360-KMKF-1M	1.16 dB	2.33 dB	3.06 dB
RCA360-KMKF-1.5M	1.48 dB	3.25 dB	4.34 dB
RCA360-KMKF-2M	1.81 dB	4.16 dB	5.61 dB



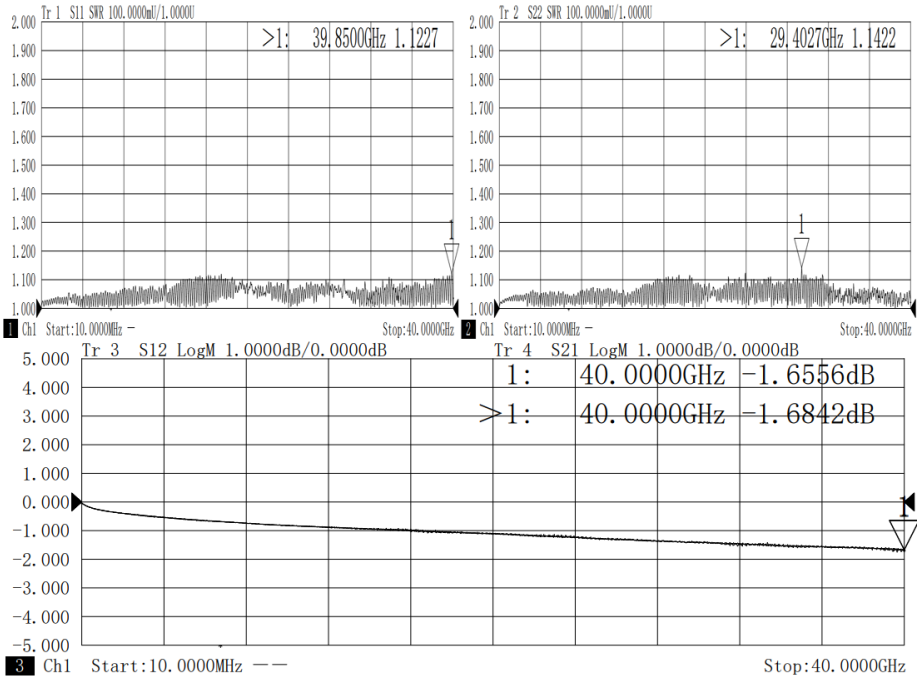
Ultra-Low Loss Phase Stable Cable Assembly, RCA360-KMKF-L
2.92mm Male to 2.92mm Female, DC-40GHz, ø3.6mm

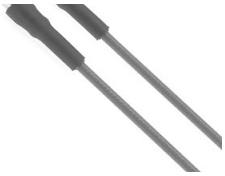
04 Typical Test Data

RCA360-KMKF-300



RCA360-KMKF-600





Ultra-Low Loss Phase Stable Cable Assembly, RCA360-KMKF-L
2.92mm Male to 2.92mm Female, DC-40GHz, ø3.6mm

05 Typical Test Data

RCA360-KMKF-1M

