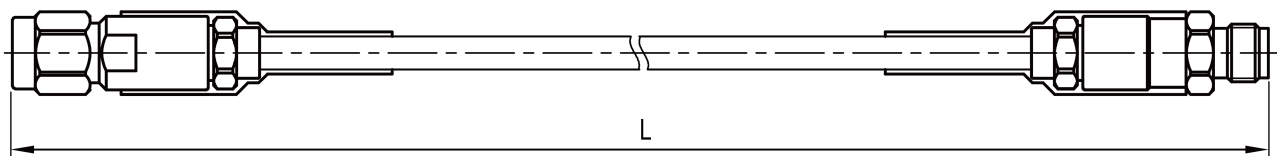


High-Performance Test Coaxial Cable Assembly, RCT400-KMKF-L 2.92mm Male to 2.92mm Female, DC-40GHz, Ø4.2mm

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



Electrical & Environmental

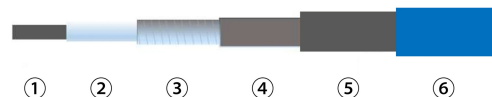
Frequency Range	DC-40GHz, 50 Ohms
Avg Power@25°C	83W @40GHz, 226W @6GHz
Insertion Loss@1M	2.96 dB Max @40GHz
VSWR	1.2 Max
Velocity of Propagation	81%
Shielding Effectiveness	90dB Min
Attenuation stability	± 0.04 dB Max
Withstand Voltage	500V@DC
Mechanical Phase	$\pm 4^\circ$
OT	-55~+165°C

Product Information

Product Number	RCT400-KMKF-L
Product Type	High-Performance Test Coaxial Cable Assembly
Cable	RCT400
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	21.00mm
Bend Radius (Repeated)	42.00mm

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

RCT400 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	1.02
2.Dielectric	LD-PTFE	2.80
3.Inner shield	Silver-plated Copper Tape Wrapping	2.95
4.Interlayer	LD-PTFE	3.20
5.Outer Shield	Silver-plated Copper Wire Braiding	3.62
6.Jacket	Blue FEP	4.20

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	22GHz	40GHz
RCT400-KMKF-300	0.46 dB	0.84 dB	1.06 dB
RCT400-KMKF-600	0.67 dB	1.42 dB	1.88 dB
RCT400-KMKF-1M	0.96 dB	2.2 dB	2.96 dB
RCT400-KMKF-1.5M	1.31 dB	3.18 dB	4.32 dB
RCT400-KMKF-2M	1.67 dB	4.16 dB	5.67 dB