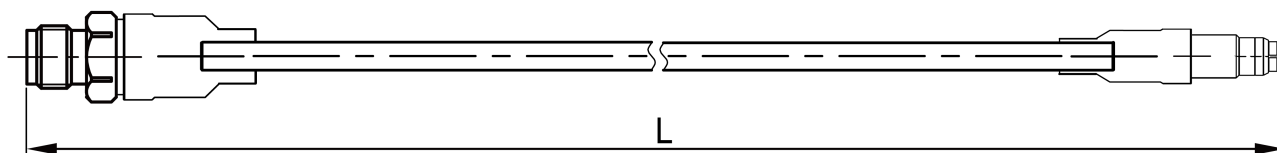


Ultra-Low Loss Phase Stable Cable Assembly, RCA220-KFPF-L 2.92mm Female to SMP Female, DC-40GHz, $\varnothing 2.2\text{mm}$

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



Electrical & Environmental

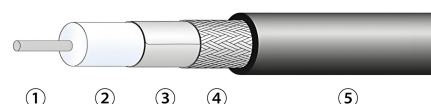
Frequency Range	DC-40GHz, 50 Ohms
Avg Power@25°C	14W @40GHz, 38W @6GHz
Insertion Loss@1M	4.69 dB Max @40GHz
VSWR	1.2 Max
Dielectric Constant	1.49
Capacitance	80 pF/m
Inductance	0.21 uH/m
Velocity of Propagation	81%
Shielding Effectiveness	90dB Min
Withstand Voltage	500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA220-KFPF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA220
Connector	2.92mm(K,SK) Female to SMP(GPO) Female
Connector Body	Passivated stainless steel & BeCu
Center Contact	Gold plated beryllium copper
Bend Radius	8.80mm
Bend Radius (Repeated)	22.00mm

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

RCA220 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
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

RCA220 Replacement Model

Gore	CXN3506
ZDecl	ZLB220
润瀚	HA220

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	22GHz	40GHz
RCA220-KFPF-120	0.38 dB	0.63 dB	0.78 dB
RCA220-KFPF-300	0.59 dB	1.2 dB	1.58 dB
RCA220-KFPF-600	0.92 dB	2.15 dB	2.91 dB
RCA220-KFPF-1M	1.37 dB	3.41 dB	4.69 dB