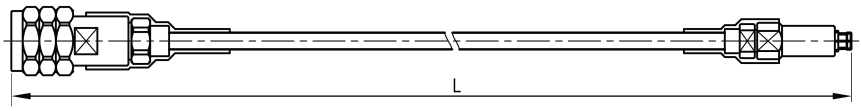


Ultra-Low Loss Phase Stable Cable Assembly, RCA220-VMSPF-L
1.85mm Male to SSMP Female, DC-40GHz, ø2.2mm

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

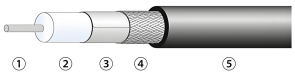
Frequency Range	DC-40GHz, 50 Ohms
Avg Power@25℃	9.8W @40GHz
I L@1M	dB Max @40GHz
VSWR	1.4 Max
Dk	1.49
Capacitance	80 pF/m
Inductance	0.21 uH/m
VOP	81%
SE	90dB Min
Voltage	500V@DC
Temp. Phase	750 PPM Max
OT	-40~+125℃

03

Product Information

Product Number	RCA220-VMSPF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA220
Connector	1.85mm Male to SSMP Female
Connector Body	Passivated stainless steel & BeCu
Center Contact	Gold plated beryllium copper
Bend Radius	8.80mm
Bend Radius (Rep.)	22.00mm

RCA220 Structure Characteristics



Structure	Material	ΦD(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

Product Selection and Loss Index @25℃

RFTOP P/N	3GHz	22GHz	40GHz
RCA220-VMSPF-100	dB	dB	dB
RCA220-VMSPF-150	dB	dB	dB
RCA220-VMSPF-200	dB	dB	dB
RCA220-VMSPF-300	dB	dB	dB
RCA220-VMSPF-600	dB	dB	dB
RCA220-VMSPF-1M	dB	dB	dB