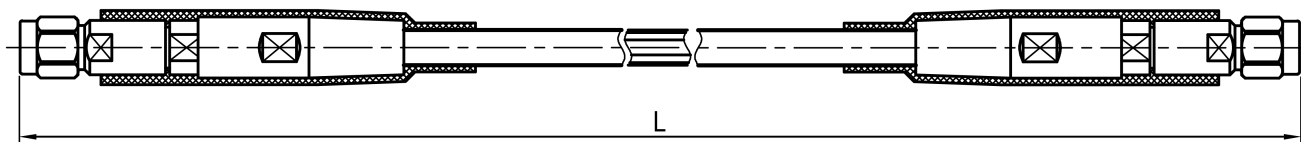


High-Performance Test Coaxial Cable Assembly, RCT500S-SMSM-L SMA Male to SMA Male, DC-26.5GHz, ø5.2mm

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



Electrical & Environmental

Frequency Range	DC-26.5GHz, 50 Ohms
Avg Power@25°C	23W @26.5GHz, 56W @6GHz
Insertion Loss@1M	2.69 dB Max @26.5GHz
VSWR	1.3 Max
Velocity of Propagation	76%
Shielding Effectiveness	90dB Min
Attenuation stability	± 0.03 dB Max
Mechanical Phase	$\pm 2.7^\circ$
OT	-40~+125°C

Product Information

Product Number	RCT500S-SMSM-L
Product Type	High-Performance Test Coaxial Cable Assembly
Cable	RCT500S
Connector	SMA Male to SMA Male
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	25.00mm
Bend Radius (Repeated)	52.00mm

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

RCT500S Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Stranded Silver-plated Copper	1.02
2.Dielectric	LD-PTFE	3.07
3.Inner shield	Silver-plated Copper Tape Braiding	3.27
4.Interlayer	LD-PTFE	3.47
5.Outer Shield	Silver-plated Copper Wire Braiding	3.80
6.Jacket	Blue PUR	5.20

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	15GHz	26.5GHz
RCT500S-SMSM-600	0.91 dB	1.45 dB	1.82 dB
RCT500S-SMSM-1M	1.18 dB	2.09 dB	2.69 dB
RCT500S-SMSM-1.5M	1.53 dB	2.89 dB	3.79 dB
RCT500S-SMSM-2M	1.87 dB	3.68 dB	4.88 dB