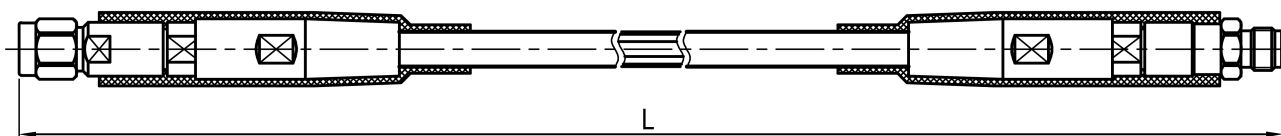


High-Performance Test Coaxial Cable Assembly, RCT500-SMSF-L

SMA Male to SMA Female, DC-26.5GHz, $\phi 4.6\text{mm}$

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



Electrical & Environmental

Frequency Range	DC-26.5GHz, 50 Ohms
Avg Power@25°C	100W @26.5GHz, 220W @6GHz
Insertion Loss@1M	2.23 dB Max @26.5GHz
VSWR	1.3 Max
Velocity of Propagation	76%
Shielding Effectiveness	90dB Min
Attenuation stability	$\pm 0.03\text{dB}$ Max
Mechanical Phase	$\pm 2.7^\circ$
OT	-40~+125°C

Product Information

Product Number	RCT500-SMSF-L
Product Type	High-Performance Test Coaxial Cable Assembly
Cable	RCT500
Connector	SMA Male to SMA Female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	25.00mm
Bend Radius (Repeated)	50.00mm

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

RCT500 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
1.Center Conductor	Single-core 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	3.57
5.Outer Shield	Silver-plated Copper Wire Braiding	3.97
6.Jacket	Yellow FEP	4.60

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	15GHz	26.5GHz
RCT500-SMSF-600	0.74 dB	1.19 dB	1.50 dB
RCT500-SMSF-1M	0.96 dB	1.72 dB	2.23 dB
RCT500-SMSF-1.5M	1.25 dB	2.38 dB	3.15 dB
RCT500-SMSF-2M	1.53 dB	3.05 dB	4.07 dB