

Part No. WCBA-WCA03SM.SSPFRXXX Series

26.5GHz WCA03 Flexible Cable Assembly SMA(M)-SMPM(F)R/A



Features:

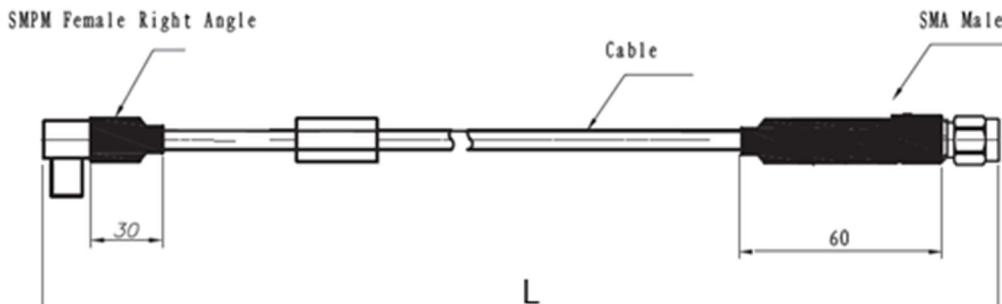
- Low Insertion Loss
- Excellent Phase Stability over Flexure



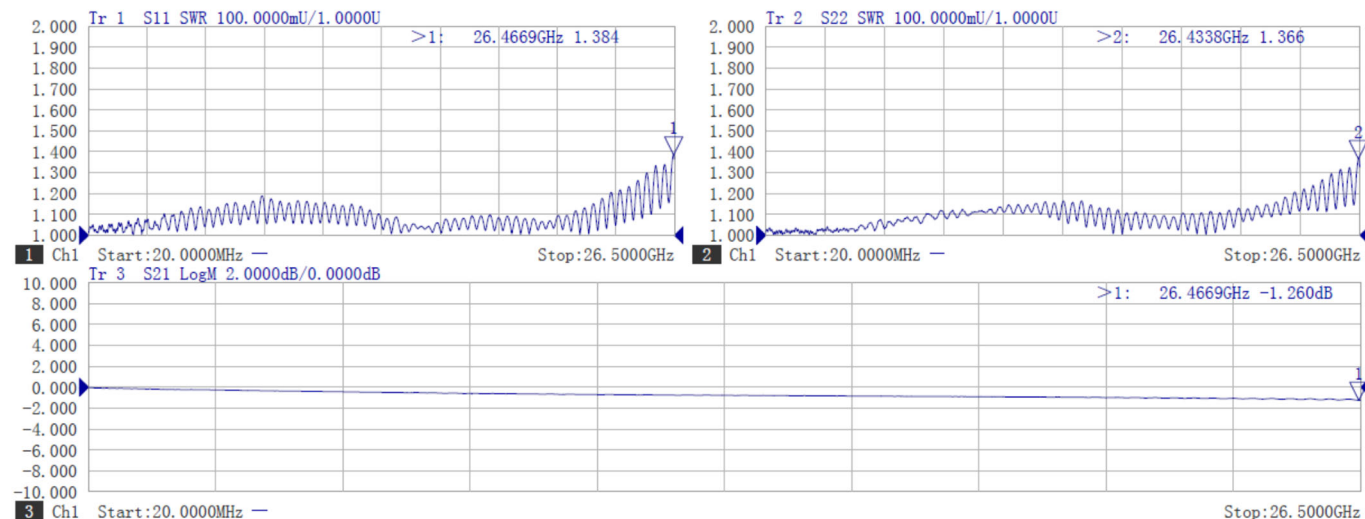
WCA03 Raw Cable Electrical Specification									
Cut-Off Frequency	83GHz								
Operating Frequency	67GHz								
Frequency	1	10	12.4	18	26.5	40	50	67	GHz
Attenuation	0.64	2.10	2.35	2.87	3.54	4.44	5.03	5.93	dB/m
Power	97	29	26	21	17	14	12	10	W
Velocity of Propagation	81%								
Shielding Effectiveness	90dB Min.								
Temp. Phase Stability PPM	750@-55~85°C								
Phase Stability	$\leq \pm 15^\circ @ 65\text{GHz}$								
Amplitude Stability	$\leq \pm 0.1\text{dB} @ 65\text{GHz}$								
Impedance	50 ohm								
Min. Static Bending Radius	8.8mm								
Min. Dynamic Bending Radius	22.0mm								

WCA03 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.50 mm
Dielectric	PTFE	1.38 mm
Inner Braid	Silver Plated Copper Strip	1.54 mm
Outer Braid	Silver Plated Copper	1.89 mm
Jacket	FEP	2.20 mm

WCA03 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+125°C

Cable Assembly Specification	
26.5GHz WCA03 Flexible Cable Assembly SMA(M)-SMPM(F)R/A	
Part No.	WCBA-WCA03SM.SSPFRXXX (XXX:Length,Unit: Meters)
Frequency	26.5GHz (max.)
VSWR(max.)	1.3:1
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	 The diagram shows a side view of the cable assembly. On the left is an 'SMPM Female Right Angle' connector with a dimension of 30. In the middle is the 'Cable' with a total length dimension 'L'. On the right is an 'SMA Male' connector with a dimension of 60.

Test Report



SMA(M)-SMP(F)R/A 30cm