

Part No. WCBA-WCA2201.85F1.85MXXX

65GHz WCA220 Flexible Cable Assembly 1.85mm(F)-1.85mm(M)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



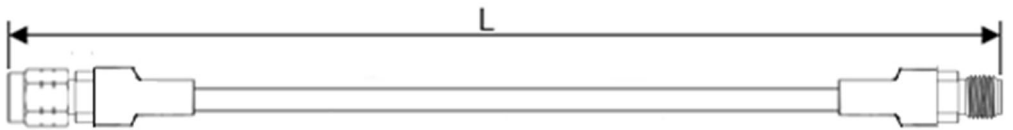
WCA220 Raw Cable Electrical Specification										
Operating Frequency	67GHz									
Frequency	1	6	10	12.4	18	26.5	40	50	67 GHz	
Attenuation	0.842	1.829	2.277	2.563	2.998	3.756	4.662	5.236	6.171	dB/m
Power	96	37	28	25	20	16	13	11	9	W
Velocity of Propagation	80%									
Shielding Effectiveness	90dB Min.									
Temp. Phase Stability PPM	750@-55~85°C									
Phase Stability	$\leq \pm 3^\circ$ @18GHz, $\leq \pm 5^\circ$ @26.5GHz									
Amplitude Stability	$\leq \pm 0.1$ dB@18GHz									
Impedance	50 ohm									
Min. Static Bending Radius	13.0mm									
Min. Dynamic Bending Radius	25.0mm									

WCA220 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.50 mm
Dielectric	LD PTFE	1.38 mm
Outer Conductor	Silver Plated Copper Strip	1.54 mm
Interlayer	PTFE	1.83mm
Outer Braid	Silver Plated Copper	2.17 mm
Jacket	FEP	2.42 mm

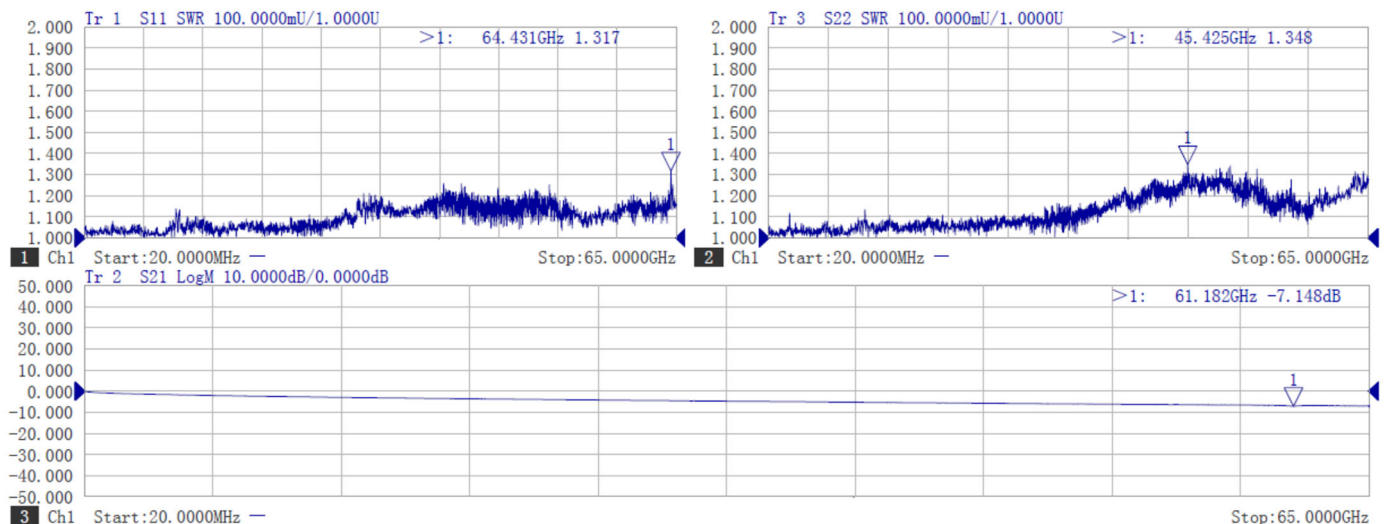
WCA220 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification

65GHz WCA220 Flexible Cable Assembly 1.85mm(F)-1.85mm(M)

Part No.	WCBA-WCA2201.85F1.85MXXX (XXX:Length,Unit: Meters)
Frequency	65GHz (max.)
Connection 1	1.85mm Male
Connection 2	1.85mm Female
VSWR	1.45:1(Max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Curve



1.85mm(M)-1.85mm(F) 1.2M