

Part No. WCBA-WCA0129M.29MXXX Series

40GHz WCA01 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)



Features:

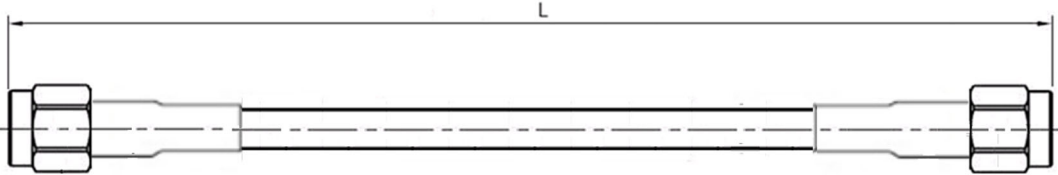
- Low Insertion Loss
- Excellent Phase Stability over Flexure



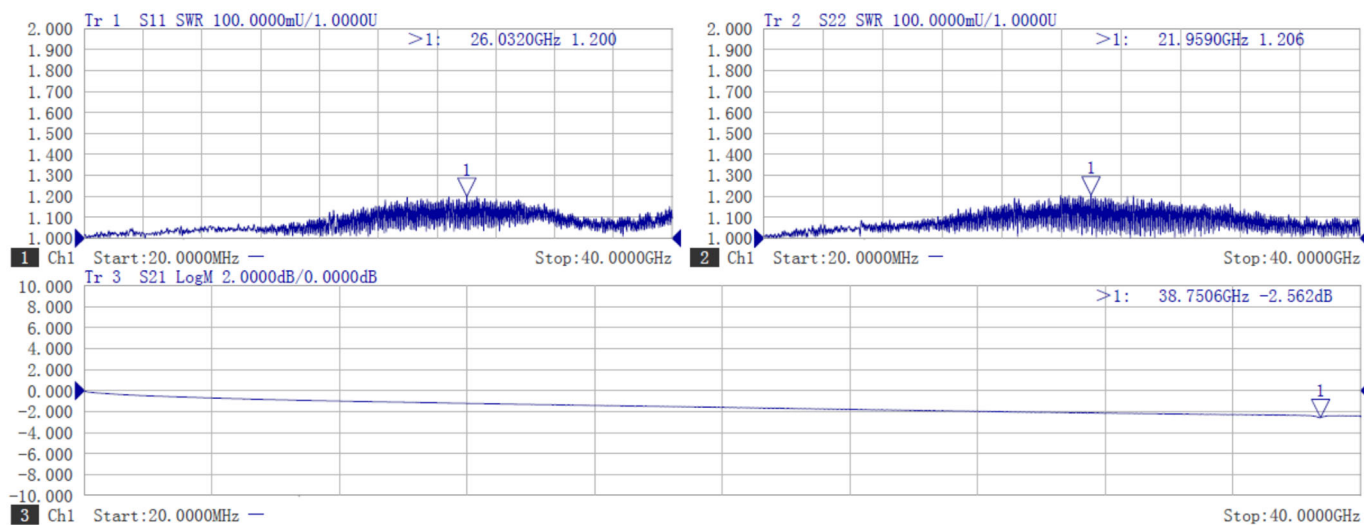
WCA01 Raw Cable Electrical Specification									
Cut-Off Frequency	48GHz								
Operating Frequency	40GHz								
Frequency	0.5	3	6	10	12.4	18	26.5	40	GHz
Attenuation	0.26	0.66	0.94	1.22	1.37	1.67	2.05	2.56	dB/m
Power	723	291	203	156	139	115	93	75	W
Velocity of Propagation	83%								
Shielding Effectiveness	90dB(Min.)								
Phase Stability	$\pm 7^\circ$ @40GHz								
Amplitude stability	± 0.1 dB @18GHz								
Temp. Phase Stability PPM	750@-55~85°C								
Impedance	50 ohm								
Min. Static Bending Radius	15mm								
Min. Dynamic Bending Radius	36mm								

WCA01 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.91 mm
Dielectric	PTFE	2.50 mm
Inner Braid	Silver Plated Copper Strip	2.66 mm
Outer Braid	Silver Plated Copper	3.11 mm
Jacket	FEP	3.60 mm

WCA01 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
40GHz WCA01 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)	
Part No.	WCBA-WCA0129M.29MXXX (XXX:Length,Unit: Meters)
Frequency	40GHz (max.)
Connection 1	2.92mm Male
Connection 2	2.92mm Male
VSWR	1.3:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Report



2.92mm(M)-2.92mm(M) 0.9M