

Part No. WCBA-WCA0529M.29MXXX Series

40GHz WCA05 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)



Features:

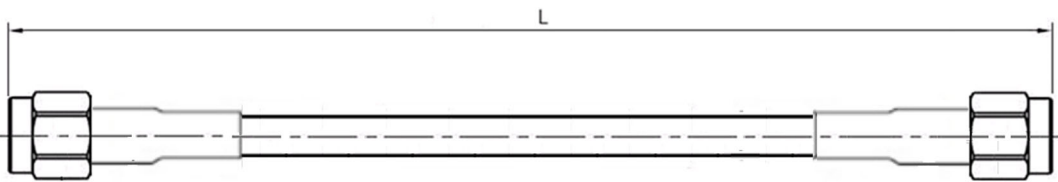
- Low VSWR
- Phase Stable
- High Reliability



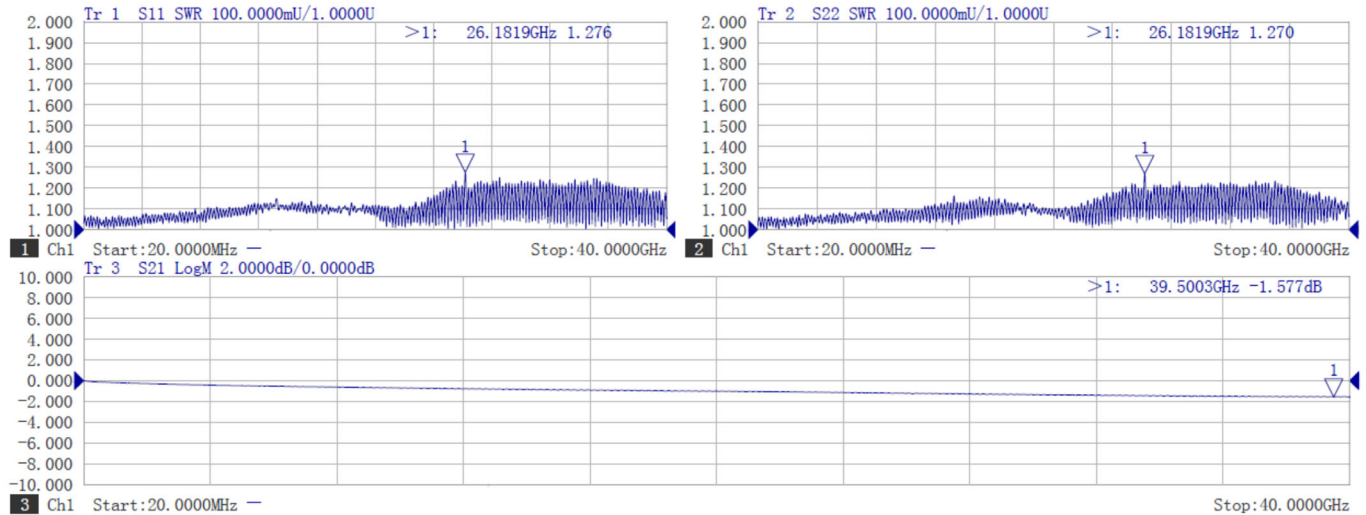
WCA05 Raw Cable Electrical Specification									
Cut-Off Frequency	41GHz								
Operating Frequency	40GHz								
Frequency	1	3	6	10	12	18	26.5	40	GHz
Attenuation	0.34	0.58	0.83	1.07	1.18	1.45	1.76	2.18	dB/m Typ.
Power	634	365	257	198	181	147	120	97	Watts
Velocity of propagation	83%								
Shielding Effectiveness	90 dB min.								
Phase Stability	$\pm 7^\circ$ @40GHz								
Amplitude stability	± 0.1 dB								
Min. Bending Radius: installation	15.6 mm								
Min. Bending Radius: Repeated	39mm								
Impedance	50 ohm								

WCA05 Raw Cable Mechanical/ Material Specification		
Description	Diameter	Material
Center Conductor	1.05 mm	Silver Plated Copper
Dielectric	2.85mm	LD-PTFE
Inner Shield	3.05mm	Silver Plated Copper Strip
Outer Shield	3.40 mm	Silver Plated Copper
Jacket	3.90mm	FEP

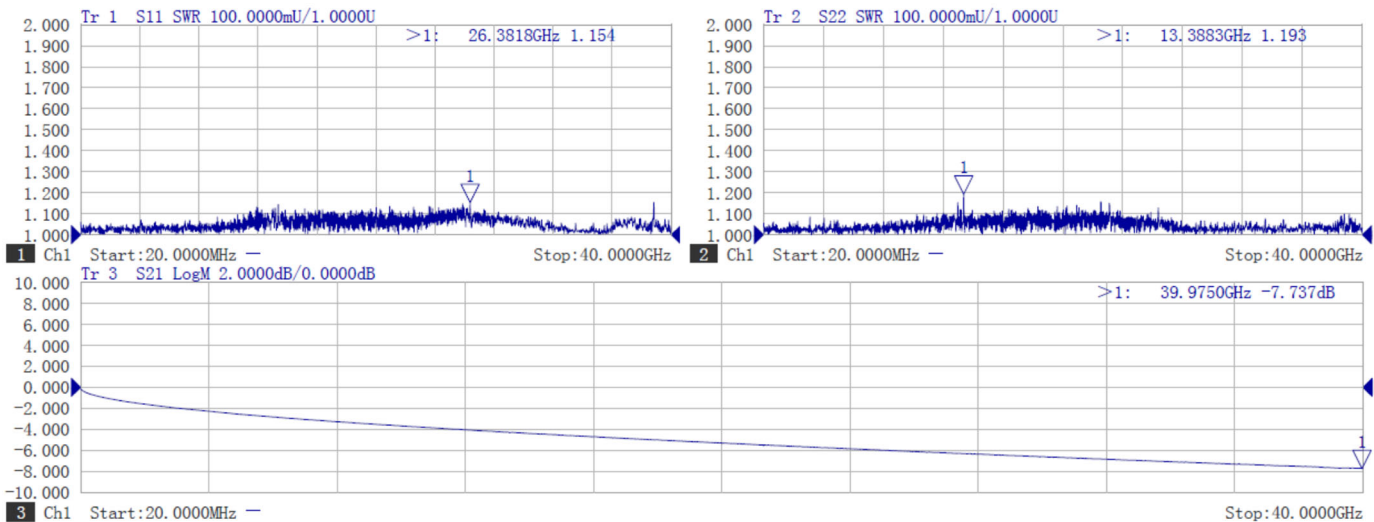
WCA05 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
40GHz WCA05 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)	
Part No.	WCBA-WCA0529M.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(M0-2.92mm(M) 60cm



2.92mm(M0-2.92mm(M) 350cm