

Part No. WCBA-WCA20124M.29MXXX Series

40GHz WCA201 flexible Cable Assembly 2.4mm(M)-2.92mm(M)



Features:

- Low Insertion Loss
- Good Shielding Effectiveness



WCA201 Raw Cable Electrical Specification

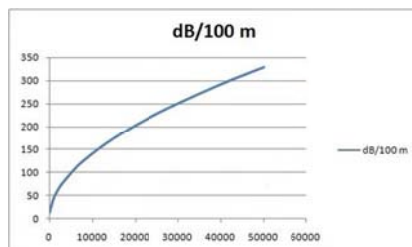
Cut-Off Frequency	50GHz
Operating Frequency	50GHz
Frequency	0.5 1 6 10 12.4 18 26.5 40 50 GHz
Attenuation	0.31 0.44 1.09 1.41 1.58 1.92 2.35 2.92 3.29 dB/m
Power	1245 878 353 272 243 200 164 132 117 W
Velocity of Propagation	76%
Shielding Effectiveness	90dB min.
Phase Stability	$\pm 7^\circ @ 40\text{GHz}$, $\pm 10^\circ @ 50\text{-}67\text{GHz}$
Amplitude Stability	$\leq \pm 0.1\text{dB} @ 50\text{GHz}$
Impedance	50 ohm
Min. Static Bending Radius	18mm
Min. Dynamic Bending Radius	36mm

WCA201 Raw Cable Mechanical / Material Specification

Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.72 mm
Dielectric	Low Density PTFE	2.21 mm
Inner Braid	Silver Plated Copper Strip	2.38 mm
Interlayer	Low Density PTFE	2.68mm
Outer Braid	Silver Plated Copper	3.14 mm
Jacket	FEP	3.60 mm

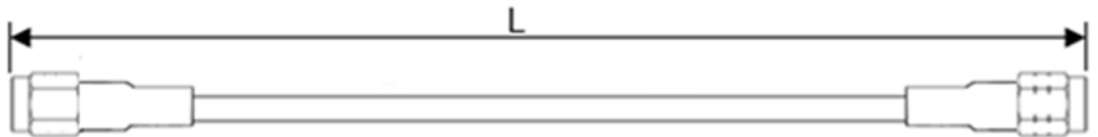
WCA201 Raw Cable Environmental Specification

Operating Temperature	-55 ~+165°C
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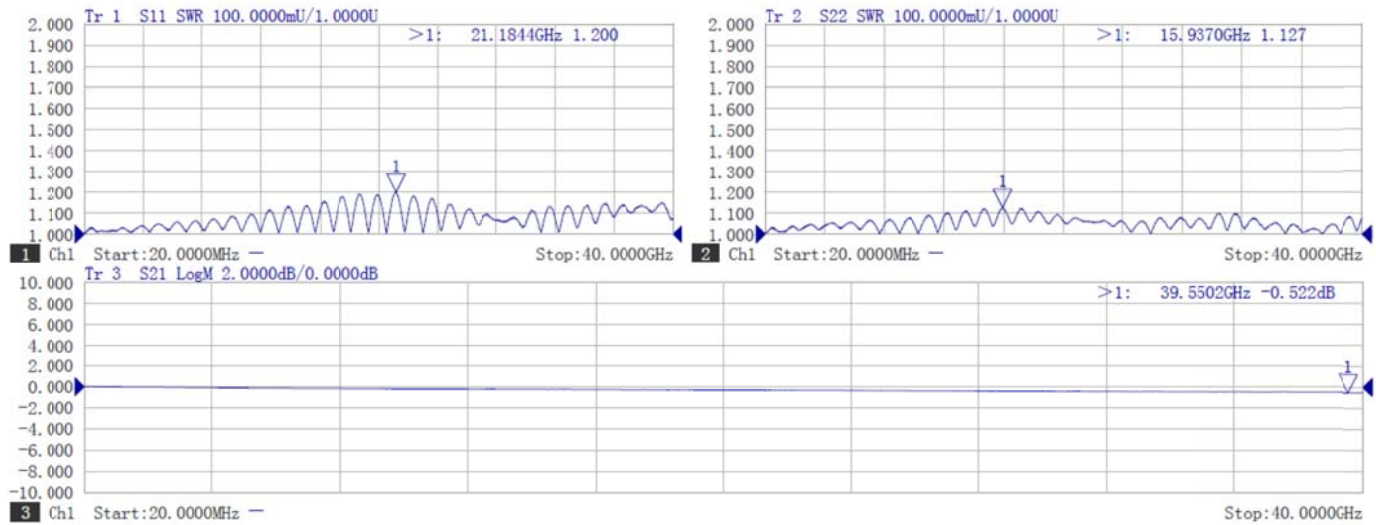


Cable Assembly Specification

40GHz WCA201 flexible Cable Assembly 2.4mm(M)-2.92mm(M)

Part No.	WCBA-WCA20124M.29MXXX (XXX:Length,Unit: Meters)
Frequency	50GHz (max.)
Connection 1	2.4mm 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



2.4mm(M)-2.92mm(M) 0.11M