

Part No. WCBA-WCA20124M.24MXXX.PS-01 Series

**50GHz WCA201 flexible Cable Assembly with PS Type Armor 2.4mm(M)-2.4mm(M)/
phase match : phase match: $<\pm 1\text{ps}@50\text{GHz}$ ($<\pm 18^\circ@50\text{GHz}$)**



Features:

- Low Insertion Loss
- Good Shielding Effectiveness



WCA201 Raw Cable Electrical Specification

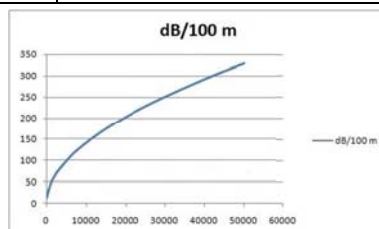
Cut-Off Frequency	50GHz									
Operating Frequency	50GHz									
Frequency	0.5	1	6	10	12.4	18	26.5	40	50	GHz
Attenuation	0.31	0.44	1.09	1.41	1.58	1.92	2.35	2.92	3.29	dB/m
Power	1245	878	353	272	243	200	164	132	117	W
Velocity of Propagation	76%									
Shielding Effectiveness	90dB min.									
Phase Stability	$\pm 7^\circ@40\text{GHz}, \pm 10^\circ@50-67\text{GHz}$									
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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WCA201 PS Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	5.45 mm
Interlayer	Tinned wire	6.00mm
Wrap layer	Waterproof material	6.15mm
Outer Jacket	PTFE	6.65 mm

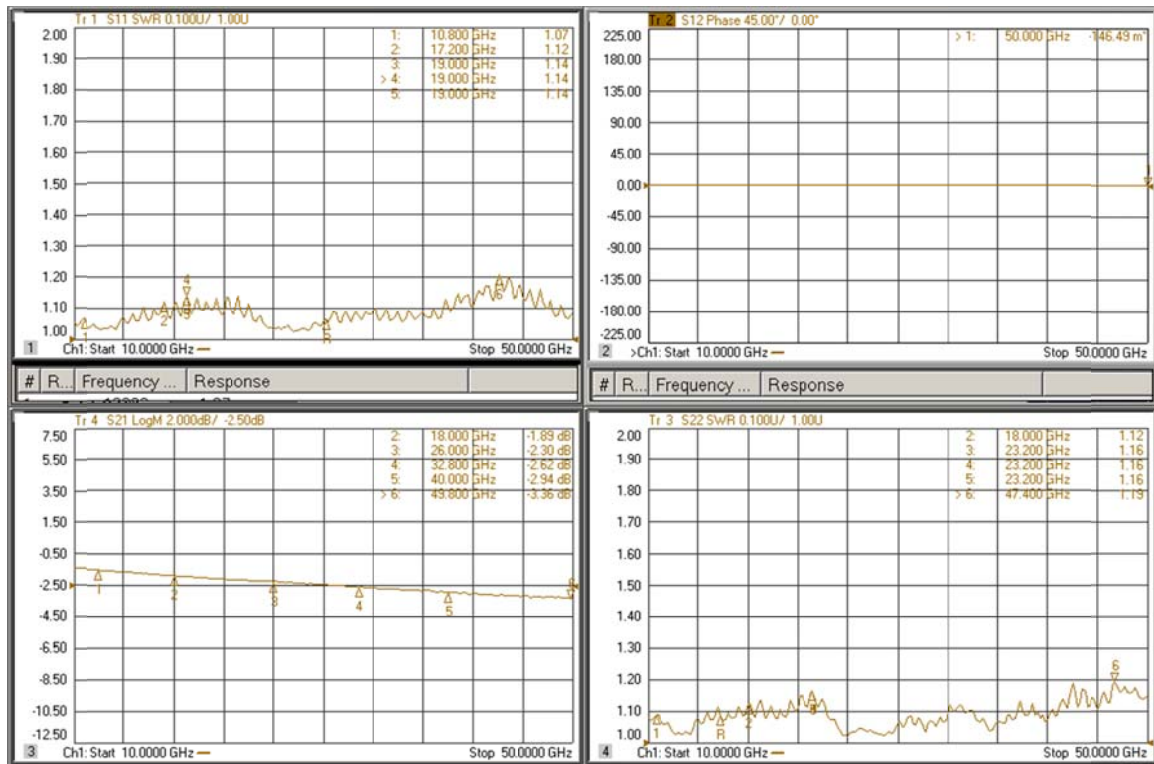
WCA201 PS Type Armor Environmental Specification

Operating Temperature	-40 ~+165℃
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Cable Assembly Specification

50GHz WCA201 flexible Cable Assembly with PS Type Aromor 2.4mm(M)-2.4mm(M)/
phase match : phase match: $<\pm 1\text{ps}@50\text{GHz}$ ($<\pm 18^\circ@50\text{GHz}$)

Part No.	WCBA-WCA20124M.24MXXX.PS-01 (XXX:Length,Unit: Meters)
Frequency	50GHz (max.)
Connection 1	2.4mm Male
Connection 2	2.4mm Male
VSWR	1.3:1(max.)
Phase Match	$<\pm 1\text{ps}@50\text{GHz}$ ($<\pm 18^\circ@50\text{GHz}$)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	



2.4mm(M)-2.4mm(M) 1M