

Part No. WCBA-WCA203SE.SMXXX.PS-01 Series

26.5GHz WCA203 Flexible Cable Assembly with PS type Armor SMA(F)-SMA(M) / Phase match $<\pm 1\text{ps}@26.5\text{GHz}$



Features:

- Low Insertion Loss
- Good Shielding Effectiveness



WCA203 Raw Cable Electrical Specification									
Cut-Off Frequency	30GHz								
Operating Frequency	26.5GHz								
Frequency	0.5	1	3	6	10	12.4	18	26.5	GHz
Attenuation	0.21	0.30	0.54	0.78	1.02	1.15	1.41	1.76	dB/m
Power	1171	821	464	321	244	217	177	142	W
Velocity of Propagation	82%								
Shielding Effectiveness	90dB min.								
Phase Stability	$\pm 6^\circ @ 26.5\text{GHz}$ $\pm 5^\circ @ 18\text{GHz}$								
Impedance	50 ohm								
Min. Static Bending Radius	19.9mm								
Min. Dynamic Bending Radius	49.8mm								

WCA203 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	1.44 mm
Dielectric	Low Density PTFE	3.85 mm
Inner Braid	Silver Plated Copper Strip	4.05 mm
Interlayer	Low Density PTFE	4.30mm
Outer Braid	Silver Plated Copper	4.62 mm
Jacket	FEP	4.98 mm

WCA203 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

WCA203 PS Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	6.9±0.1 mm
Interlayer	Tinned wire	7.5±0.1 mm
Wrap layer	PTFE	7.75±0.1mm
Outer Jacket	PTFE	8.25±0.15 mm
Min. Bending Radius		30mm
Max. Bending Radius		80mm

WCA203 PS Type Armor Environmental Specification

Operating Temperature	-40 ~+165°C
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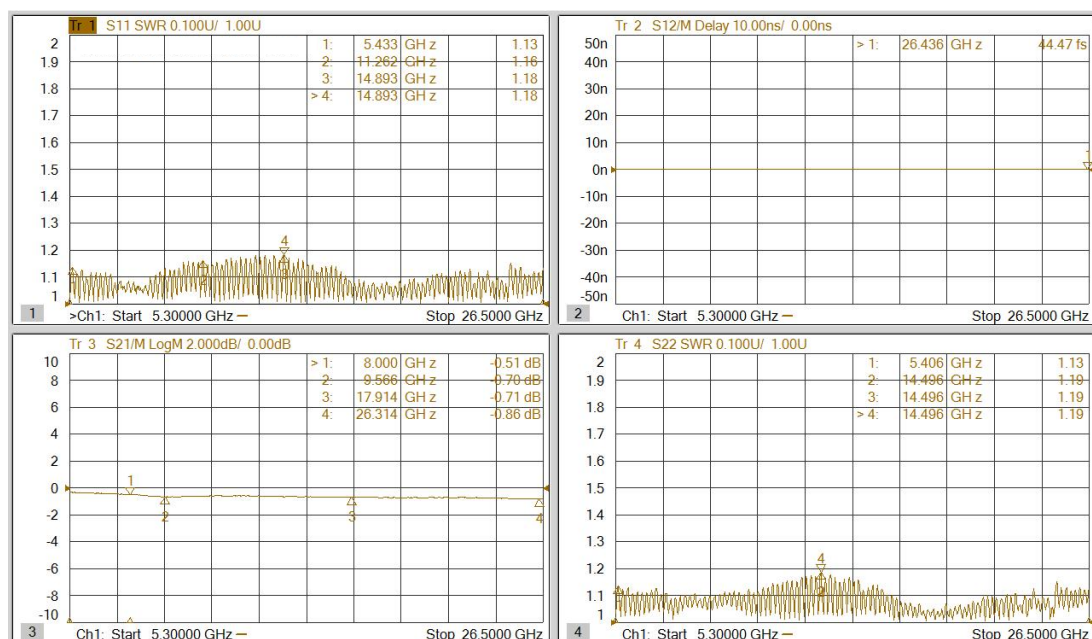
Cable Assembly Specification

26.5GHz WCA203 Flexible Cable Assembly with PS type Armor SMA(F)-SMA(M) /

Phase match <±1ps@26.5GHz

Part No.	WCBA-WCA203SF.SMXXX.PS-01 (XXX:Length,Unit: Meters)
Frequency	26.5GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Female
VSWR	1.3:1(max.)
Phase Match	±1ps(Max.)@26.5GHz (±11° @26.5GHz)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Curve



SMA(M)-SMA(F) 0.6M