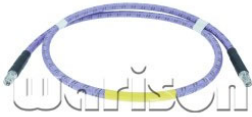


Part No. WCBA-WCA02SM.SMXXX-01.PS Series

26.5GHz WCA02 Flexible Cable Assembly with PS Type Armor SMA(M)-SMA(M)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



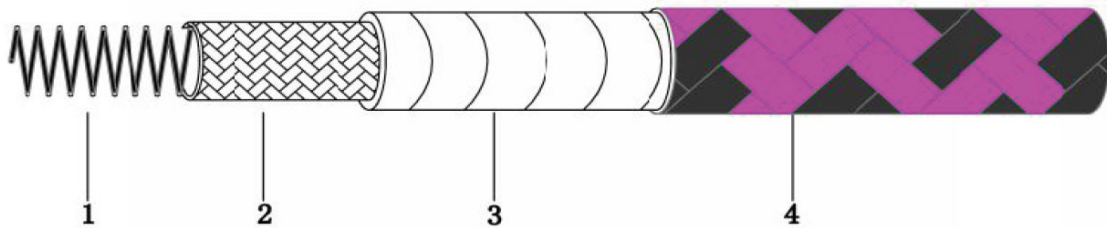
WCA02 Raw Cable Electrical Specification								
Cut-Off Frequency	29GHz							
Operating Frequency	26.5GHz							
Frequency	0.5	1	6	10	12.4	18	26.5	GHz
Attenuation	0.16	0.23	0.59	0.76	0.85	1.04	1.28	dB/m
Power	1305	919	368	282	252	207	169	W
Velocity of Propagation	83%							
Shielding Effectiveness	90dB(Min.)							
Phase Stability	$\pm 5^\circ$ @26.5GHz							
Amplitude stability	± 0.1 dB							
Temp. Phase Stability PPM	750@-55~85°C							
Impedance	50 ohm							
Min. Static Bending Radius	25.5mm							
Min. Dynamic Bending Radius	51.0mm							

WCA02 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	1.45 mm
Dielectric	PTFE	3.99 mm
Inner Braid	Silver Plated Copper Ribbon	4.19 mm
Outer Braid	Silver Plated Copper	4.59 mm
Jacket	FEP	5.10 mm

WCA02 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

WCA02 PS Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	7.7±0.1 mm
Interlayer	Tinned wire	8.3±0.1 mm
Wrap layer	PTFE	8.75±0.1mm
Outer Jacket	PTFE	9.15±0.15 mm
Min. Bending Radius		50mm
Max. Bending Radius		100mm



WCA02 PS Type Armor Environmental Specification

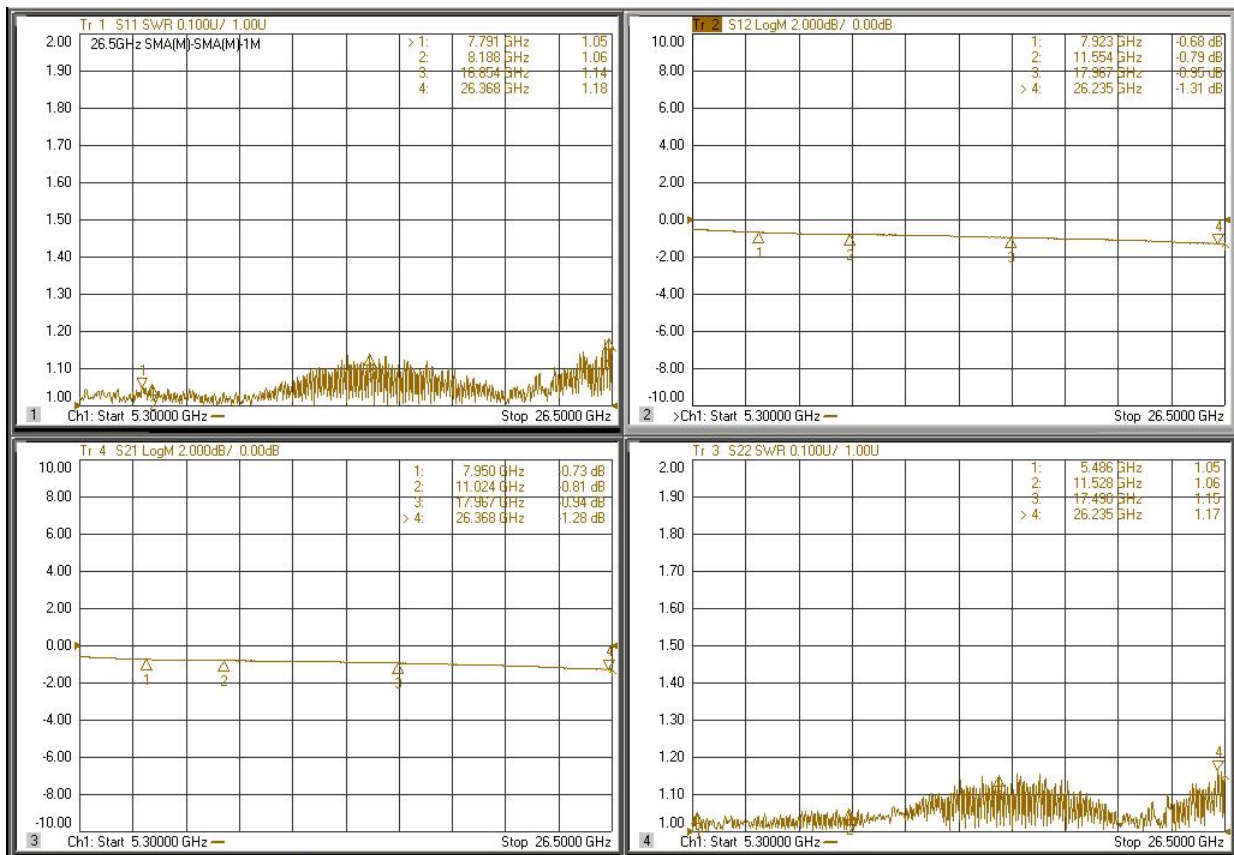
Operating Temperature	-40 ~+165℃
-----------------------	------------

Cable Assembly Specification

26.5GHz WCA02 Flexible Cable Assembly with PS Type Armor SMA(M)-SMA(M)

Part No.	WCBA-WCA02SM.SMXXX-01.PS (XXX:Length,Unit: Meters)
Frequency	26.5GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Male
VSWR	1.3:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Curve



SMA(M)-SMA(M) 100cm