



SENSORVIEW

WE MAKE YOUR RF THE BEST

CUSTOMIZED SOLUTIONS

We optimize Material & Design Technologies for 5G Connected Devices
to provide Total Solutions that give you your preferences :

Last Stop.

Infrastructure
5G Wireless Devices
Semiconductors
5G Connected Cars
Aerospace & Defense
Microwave & mmWave Test and Measurement

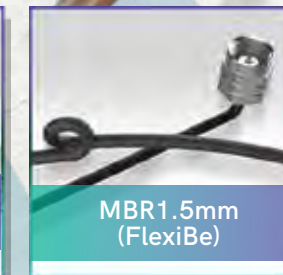
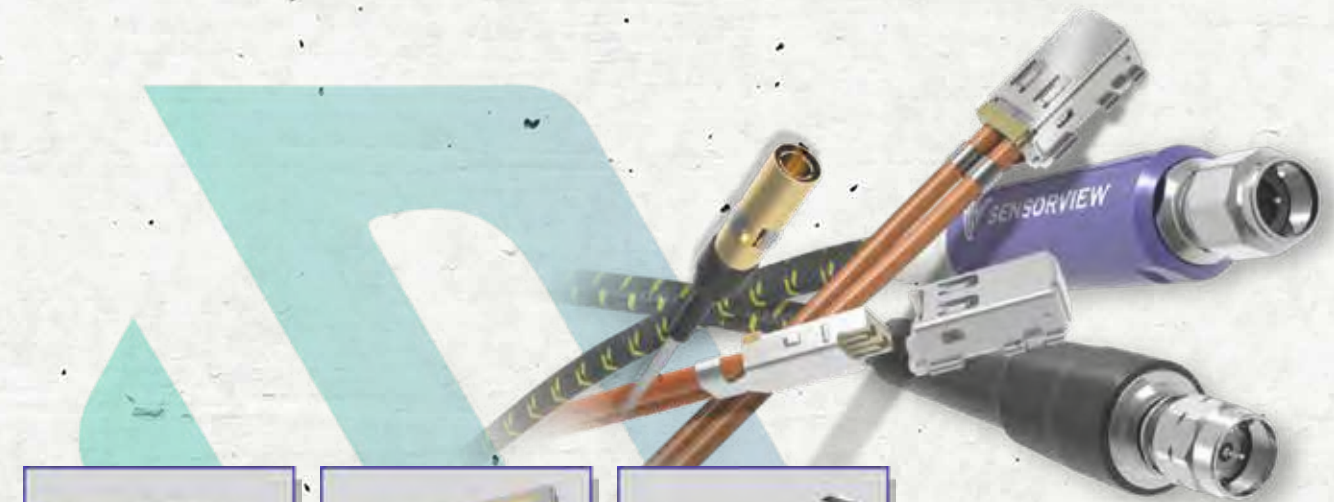


Your trusted partner
for **5G** and **BEYOND-5G**

- 01 Company
- 02 Business
- 03 Microwave Cable & Connector
- 04 MGroup
- 05 Antenna
- 06 60GHz soldering Antenna

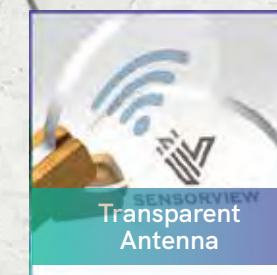
- Microwave Precision Cable
- Ultra-miniaturized Coaxial Cable / Connector for SMT
- 1.5mm Minimum Bend Radius Cable (67GHz)

Connectivity



Antenna

- Installation Antennas for mobile carrier
- Antenna Modules
- Test Antennas



Your trusted partner
for 5G and BEYOND-5G

Vision

“We make your RF the BEST”

Mission

“We design and manufacture high performance RF Interconnectors and Antenna. RF Designers and test engineers can leverage our products to make their RF performance best, on time.”

Core Capability

mmWave-oriented passive RF design

mmWave-optimized material fusion

Expertise in manufacturing and testing up to 110GHz

Awards



Selected as a recipient of 2021 Industrial Technology Achievements' by NAEK



Selection of innovative companies under the supervision of the Financial Services Commission for 'innovative enterprises representative 1000.



CES' 2023 INNOVATION AWARDS

Accomplishments

Sensorview is discovering and developing various key technologies to lead the mmWave(5G) market. We are actively applying for patents/designs/trademarks for technical protection.

Domestic		Overseas		TOTAL
registration	application	registration	application	
8	67	30	60	165



Certifications

ISO 14001
Environment



ISO 9001
Quality



SENSOR VIEW Industries

SENSORVIEW delivers a total solution platform service by providing material and design technologies and a technology to technology fusion platform for smart 5G connected devices.

5G Infrastructure

Ultra Wideband Antennas for in-building solutions. High-Gain antenna technologies.

In-Building Coverage



Ultra Wide Band (617-960 / 1710-2690 / 3500 / 5800MHz)
Perfectly Camouflaged Antenna (Complaint Free)
Cost Reduction - 2 in 1 Concept (Antenna + Information Sign)



Indoor Cell coverage solution for coverage optimization.
For general service operator testing and building cell coverage.
Meets indoor requirements, which vary greatly because not all environment are similar.

5G Network



Our patented design. Gain+ delivers a higher gain and wider beam steering range vs. conventional antennas.

In-Building Coverage



Our patented design. Gain+ delivers a higher gain and wider beam steering range vs. conventional antennas.



Ultra compact Multi-Gang cable series that can carry a signal with low loss and near-zero EMI.

5G Wireless Device

TLIA® solution
Various IT applications and a large market potential.

5G Laptop



Ultra compact Multi-Gang cable series that can carry a signal with low loss and near-zero EMI.



Superior Price and Performance compared to Third Party Products.

5G Smartphone



60GHz Wireless Connector. High Speed (6.25Gbps), Low Power-Consumption (mW level), and Short Range (5-20mm). High Gain + Gain-Flatness + Improved Isolation via Miniaturized Form Factor



Flex-S® (multi-line cable) and TLIA® (Transmission Line Integrated Antenna) are made of low-loss materials and designed with patent-protected technologies. They are vital components in mmWave devices. FLEX-S® and TLIA® bring low-loss and high quality performance.

Smart TV

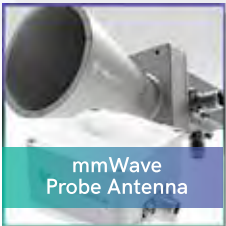


60GHz Wireless Connector. High Speed (6.25Gbps), Low Power-Consumption (mW level), and Short Range (5-20mm). High Gain + Gain-Flatness + Improved Isolation via Miniaturized Form Factor



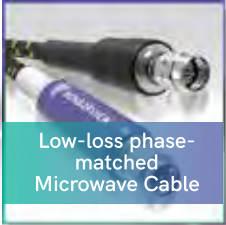
Semiconductor

SENSORVIEW's proprietary solution. Made possibly by innovation and patent ownership.



SENSORVIEW's miniature multi-band antenna solution. Optimized for 5G AUT in test & measurement.

- Minimizes chamber size
- Decreases expenditure
- Maximizes test performance



SENSORVIEW's high-quality, high-performance coaxial cable assembly.

- Low Insertion Loss
- Phase Stability vs. Temperature
- Insertion Loss Stability vs. Bending
- Phase Stability vs. Bending
- Low VSWR



Phase-Matched adapter that meet MIL STD 348. Manufactured in a wide range within / between series. Matched adapter have the same nominal connector mating reference plane to reference plane length.



SENSORVIEW connectors are designed and manufactured to guarantee optimize end product performance / We provide optimal transition for a low return loss. We can tailor connectors for specific equipment and applications.

Semiconductor Test Equipment



mmWave OTA Solutions



SENSORVIEW's miniature multi-band antenna solution. Optimized for 5G AUT in test & measurement.

- Minimizes chamber size
- Decreases expenditure
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Network Analyzer



SENSORVIEW's high-quality, high-performance coaxial cable assembly.

- Low Insertion Loss
- Phase Stability vs. Temperature
- Insertion Loss Stability vs. Bending
- Phase Stability vs. Bending
- Low VSWR

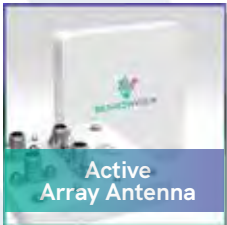


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Aerospace & Defense

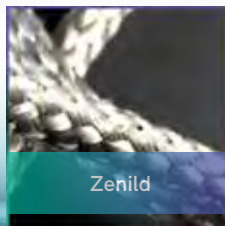
EMI-Shielding Solution
Military Aircraft,
and AESA Radars

AESA Radar

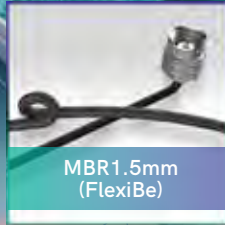


High Efficiency,
Massive Antenna Arrays.
Active Array Synthesis

Missiles / Aircraft

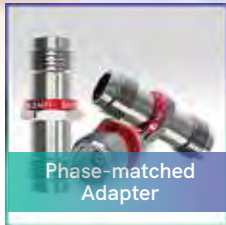


Our unique braiding technology, "Zenild®" provides superior shielding effectiveness VS copper wire and offers significant weight savings. Silver Plated Fiber delivers over 60% weight savings VS copper wire at equal volumes.



Bendable* Microwave Cable Wireless Connector. Minimum Bend Radius 1.5mm

- DC to 67GHz
- Low-loss, EMI shielding
- MIL-STD compliant
- Outer Diameter 2mm



Phase-Matched Adaptors that meet MIL STD 348. Manufactured in a wide range within / between series. Matched adaptors have the same nominal connector mating reference plane to reference plane length.

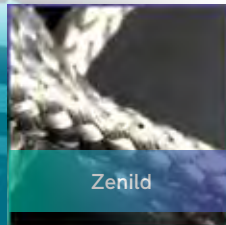


SENSORVIEW connectors are designed and manufactured to guarantee optimize end product performance / We provide optimal transition for a low return loss. We can tailor connectors for specific equipment and applications.

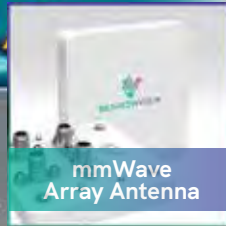
Connected Car

5G-Based Connected Car
Light- Weight,
EMI- Shielded

Autonomous Vehicles



Our unique braiding technology, "Zenild®" provides superior shielding effectiveness VS copper wire and offers significant weight savings. Silver Plated Fiber Weights over 60% savings VS copper wire at equal volume Excellent.



Our patented antenna design, "Gain+" performs higher gain and wider beam steering range compare with the conventional antennas.



- 01. FlexStable[®]**
Low Loss Microwave Cable
Excellent Flexibility
Phase & Amplitude Stability
- 02. Flex Armor[™]**
High Crush resistance
Excellent Flexibility
Phase & Amplitude Stability
- 03. Zenild[®]**
Ultra Light Weight Material & Cable
High Screen Effectiveness
- 04. FlexiBe[®]**
Minimum Bend Radius
Cable Assembly (MBR 1.5mm)
- 05. Micro Coaxial Cable**
047 Type Flexible Cable (DC~110GHz)
- 06. Gannector[®]**
Magnetic Connector Solution
Tool-Free & Quick Connector
- 07. End-Launch**
Quick slide connector Bolt loss prevention
- 08. Connector & Adapter**
Color Coded RF adapters
Phase Match / Flange / Customized



Your trusted partner
for 5G and **BEYOND-5G**

FlexStable[®] Microwave Cable

SENSORVIEW FlexStable[®] microwave cable assembly series offer excellent performance providing various benefits to your specific needs.

- Freq DC to 67GHz
- Low-loss
- VP (Velocity of propagation) 77 to 84%
- Phase-Stable (vs. bending)
- Phase-Matching Under 1ps.

Cable Design & Core Material

SENSORVIEW designs and produces the cable & connector solutions for microwave & millimeterwave systems by incorporating inhouse material technologies which guarantee excellent electrical performance versus flexure and temperature variation.

Aeroflon[®] Dielectric

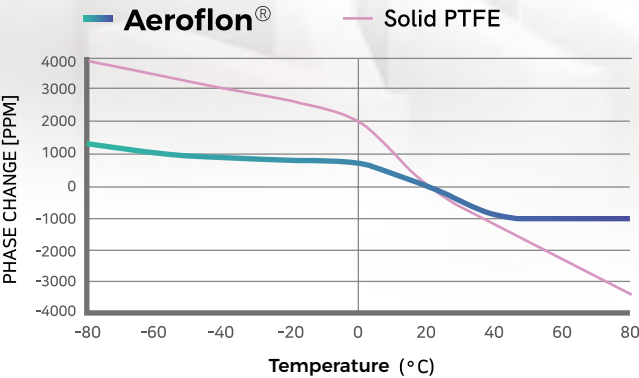
For low loss and stable electrical performance

Sensorview has developed a new PTFE dielectric, named Aeroflon[®], demonstrating Dk (dielectric constant) about 1.6~1.7 and Df (loss tangent) about 0.0001@10GHz, which enables to achieve much lower loss in property of Microwave & mmWave coaxial cable compared to general PTFE cable.

Sensorview's Aeroflon[®] has a smaller "Knee" in its CTE (Coefficient of Thermal Expansion) profile around room temperature and remains the same even when exposed to extreme temperature, therefore, it is excellent to apply in harsh environment.



PTFE Knee Graph



- Low insertion loss
- Phase stable vs Temperature
- Insertion loss stable vs flexure
- Phase stable vs flexure
- Low VSWR up to 67GHz

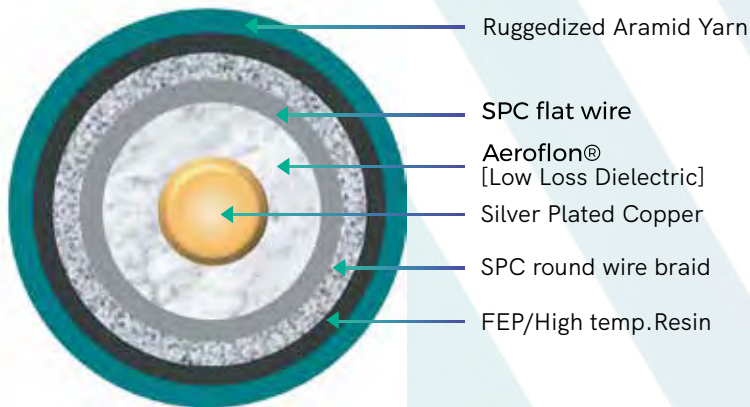
Relative matching

Relative matching matches phase between two (which is one pair) or more cable assemblies which belongs to one another. Therefore, it is manufactured as sets with relative phase tolerance. Sensorview's default phase matching tolerance is $\pm 0.3^\circ/\text{GHz}$. (e.g. an 18GHz cable can be phase matched to $\pm 5.4^\circ$)

Absolute matching

Absolute matching provides the matches in its assemblies to be at an absolute electrical length (Group delay). Any cable of a set can be replaced and manufactured in different location using any test equipment brand.

Structures



Ruggedized Flexible Low Loss Cable series

- Aramid Yarn Jacket / High Abrasion Resistance
- High temperature strength / High durability
- High operating frequency / Phase and I/L stability



Typical Applications

- Bench-top testing
- High throughput RF production testing
- Portable analyzers
- Test rack systems
- Vector Network Analyzers
- Scalar Network Analyzers
- Antenna ranges
- Anechoic chambers
- Thermal vacuum chambers
- Nearfield scanners
- Wireless telecommunication module testing
- ElectroMagnetic Compliance Testing
- Automated Test Equipment
- High speed digital test
- 5G test and interconnection

FlexStable® Microwave Cable

SENSORVIEW FlexStable® microwave cable assembly series offer excellent performance providing various benefits to your specific needs.

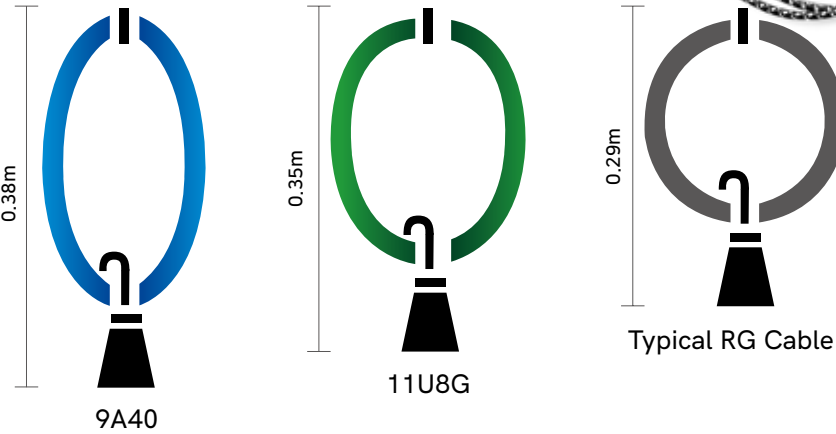
SUPER FLEXIBLE

DUT and condition

Tested cable : FlexStable(9A40), UltraRG(11U8G), Typical RG cable

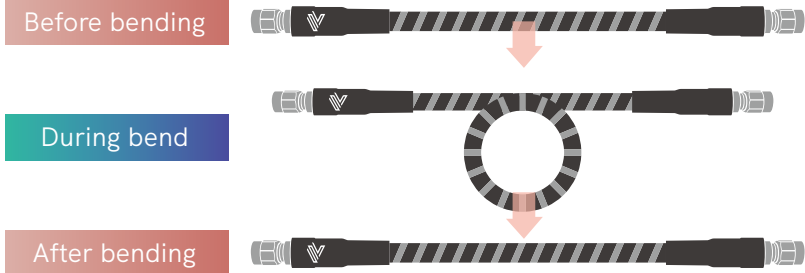
Test results

Test condition : 1meter, Weight 520gram, 25°C



More drooped the weights are, more flexible cable is. FlexStable shows the longest droop, which means it affects little force to connector and DUT, accordingly more stable and easy to use in a lab and bench, also convenient to install in a chamber.

PHASE STABILITY (VS. BENDING)

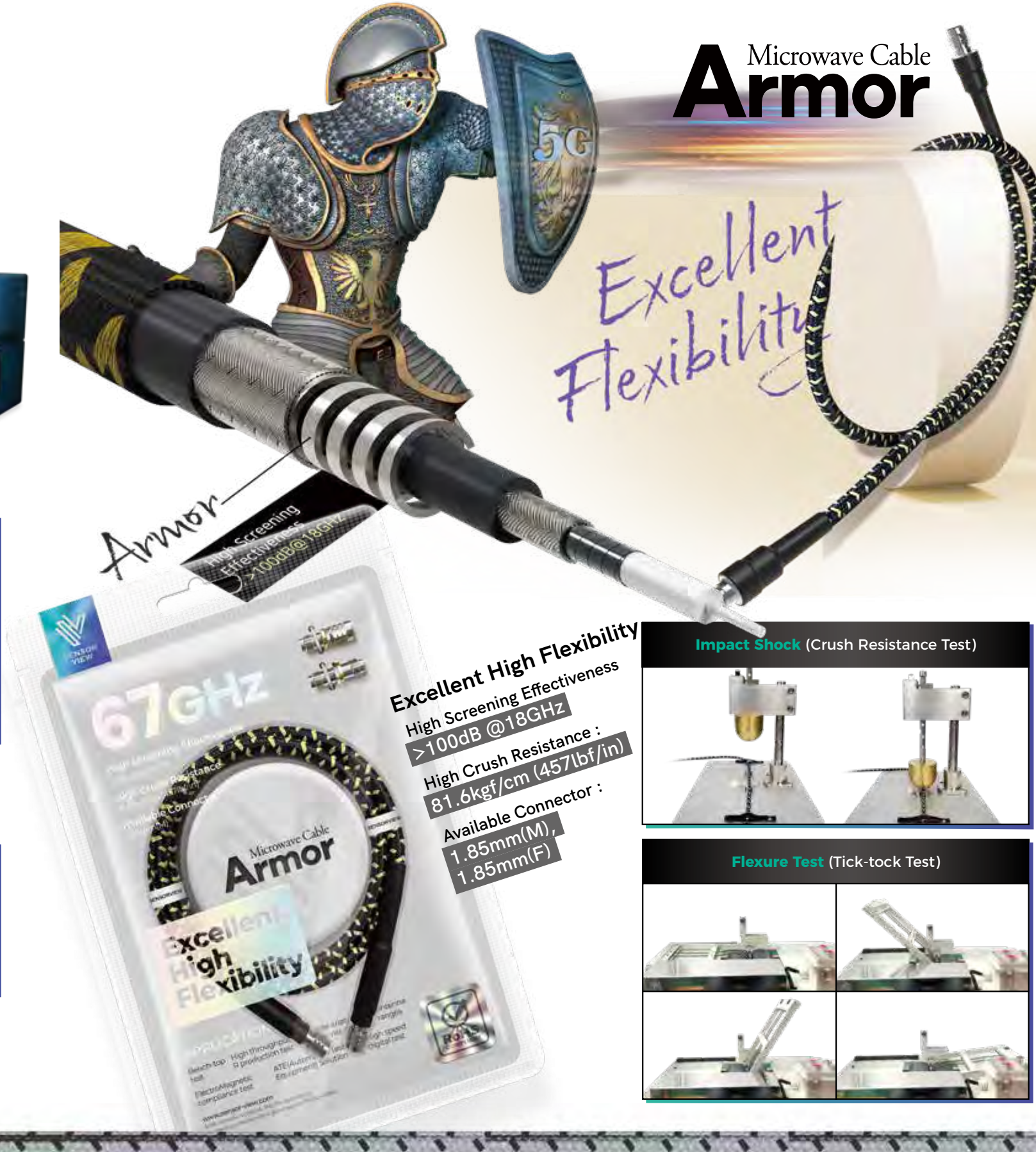


'Insertion loss' and 'phase change' are measured under a bended condition using a 'Minimum Bend Radius' mandrel.

The Immortal Knight of The Cable World

Microwave Cable Armor

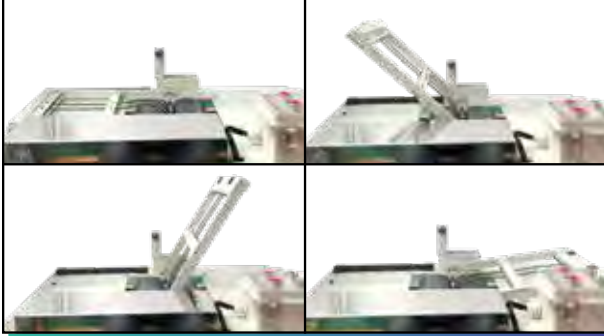
Excellent
Flexibility



Impact Shock (Crush Resistance Test)



Flexure Test (Tick-tock Test)



DC ~ 8GHz Series


- Spec.
- 
- Impedance (Nominal) : 50 ± 1 Ohm
 - Velocity Propagation : 77% (Nominal)
 - RF Leakage : -85dB
 - Minimum Bend Radius [mm] : 25
 - Phase Stability vs Flexure (Typical) : Max. 2° @ 8GHz
 - Loss Stability vs Flexure (Typical) : ± 0.05 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						8GHz	8GHz
	11A8G	Stranded	5.8 ± 0.1	53	-50 ~ 135	-1.07	223
	11S8G		5.2 ± 0.1	49.9			
	11F8G		4.9 ± 0.1	49.3	-50 ~ 125		190
	11U8G		5.2 ± 0.1	53.3	-50 ~ 85		69
	11A8GD	Solid	5.8 ± 0.1	54	-50 ~ 135	-1.03	266
	11S8GD		5.2 ± 0.1	50.6			

Available Connector : SMA(ST, RA), N(ST,RA)



DC ~ 18GHz Series









- Spec.
- 
- Impedance (Nominal) : 50 ± 1 Ohm
 - Velocity Propagation : 77% (Nominal, 13x26, 9S18G, 9F18GD) | 84% (Nominal, 23F18WD)
 - RF Leakage : -100dB (13x26) | -85dB (9S18G, 9F18GD)
 - Minimum Bend Radius [mm] : 30 (13x26) | 15 (9S18G) | 20 (9F18GD)
 - Phase Stability vs Flexure (Typical) : Max. 10° @ 18GHz (13x26, 9S18GD, 23F18WD) | Max. 18° @ 18GHz (9F18GD)
 - Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						18GHz	18GHz
	13R26	Stranded	9.7 ± 0.3	192	-55 ~ 135	-1.23	184
	13A26		6.7 ± 0.1	81			
	13S26		6.2 ± 0.1	73	-50 ~ 125		149
	13F26		5.7 ± 0.1	56.2	-50 ~ 125		
	9S18G	Solid	4.2 ± 0.1	34.4	-50 ~ 135	-1.75	130
	9F18GD		3.8 ± 0.1	33	-50 ~ 125	-1.72	155
	23F18WD		7.68 ± 0.1	130	-50 ~ 135	-0.75	377

Available Connector : SMA(ST), N(ST), TNC(ST)



DC ~ 26.5GHz Series

Spec.



- Impedance (Nominal) : 50 ± 1 Ohm
- Velocity Propagation : 77% (Nominal)
- RF Leakage : -100dB
- Minimum Bend Radius [mm] : 30
- Phase Stability vs Flexure (Typical) : Max. 10° @ 26.5GHz
- Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						26.5GHz	26.5GHz
	13R26	Stranded	9.7 ± 0.3	192	-55 ~ 135	-1.55	155
	13A26		6.7 ± 0.1	81	-50 ~ 135		
	13S26		6.2 ± 0.1	73			
	13F26		5.7 ± 0.1	56.2	-50 ~ 125		
	13R26D	Solid	9.7 ± 0.3	193			183
	13A26D		6.7 ± 0.1	82	-55 ~ 135		
	13S26D		6.2 ± 0.1	74			
	13F26D		5.7 ± 0.1	57.2	-55 ~ 125		

Available Connector : HFSMA(ST), 3.5mm(ST)

HFSMA Male Straight	3.5 Male Straight	3.5 Female Straight		

DC ~ 33GHz Series

Spec.



- Impedance (Nominal) : 50 ± 1 Ohm
- Velocity Propagation : 77% (Nominal)
- RF Leakage : -100dB
- Minimum Bend Radius [mm] : 25
- Phase Stability vs Flexure (Typical) : Max. 10° @ 33GHz
- Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						33GHz	33GHz
	11R33	Stranded	9.7 ± 0.3	172		-2.03	121
	11A33		5.7 ± 0.1	59			
	11S33		5.3 ± 0.1	53			
	11R33D		9.7 ± 0.3	173	-40 ~ 125		
	11A33D	Solid	5.7 ± 0.1	59.2			143
	11S33D		5.3 ± 0.1	53.2			

Available Connector : HFSMA(ST)

HFSMA Male Straight				

DC ~ 40GHz Series





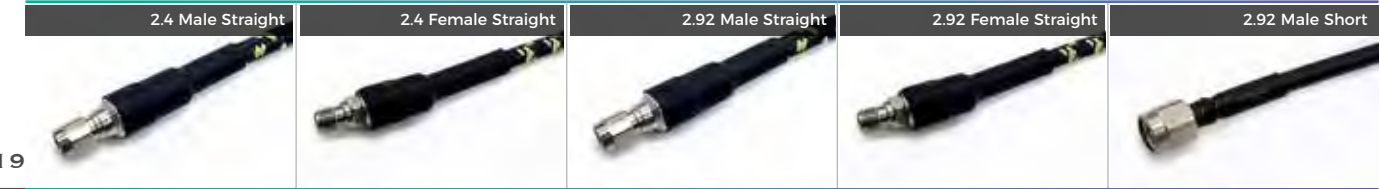
- Spec.
- 
- Impedance (Nominal) : 50 ± 1 Ohm
 - Velocity Propagation : 77% (Nominal)
 - RF Leakage : -100dB
 - Minimum Bend Radius [mm] : 25
 - Phase Stability vs Flexure (Typical) : Max. 14° @ 40GHz
 - Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						40GHz	40GHz
	9R40	Solid	8.4 ± 0.3	183	-40 ~ 125	-2.60	102
	9A40		5.4 ± 0.1	49			
	9S40		5.0 ± 0.1	44			



Available Connector : 2.4mm, 2.92mm(ST, SH)



DC ~ 50GHz Series




- Spec.
- 
- Impedance (Nominal) : 50 ± 1 Ohm
 - Velocity Propagation : 77% (Nominal)
 - RF Leakage : -100dB
 - Minimum Bend Radius [mm] : 25
 - Phase Stability vs Flexure (Typical) : Max. 15° @ 50GHz
 - Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						50GHz	50GHz
	7R50D	Solid	8.4 ± 0.3	173	-40 ~ 125	-3.87	88
	7A50D		4.5 ± 0.1	34			



Dynamic Application



Static Application

Available Connector : 2.4mm(ST)



DC ~ 67GHz Series

Spec.



- Impedance (Nominal) : 50 ± 1 Ohm
- Velocity Propagation : 77% (Nominal, 5R67D, 5A67D)
- RF Leakage : -100dB (5R67D, 5A67D)
- Minimum Bend Radius [mm] : 20 (5R67D, 5A67D)
- Phase Stability vs Flexure (Typical) : Max. 19° @ 67GHz (5A67D) | Max. 14° @ 67GHz (5R67D)
- Loss Stability vs Flexure (Typical) : ± 0.1 dB

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						67GHz	67GHz
	5R67D	Solid	6.6 ± 0.3	63	-40 ~ 85	-6.32	64
	5A67D		3.6 ± 0.1	25			



Dynamic Application



Static Application

Available Connector : 1.85mm(ST)



Zenild®

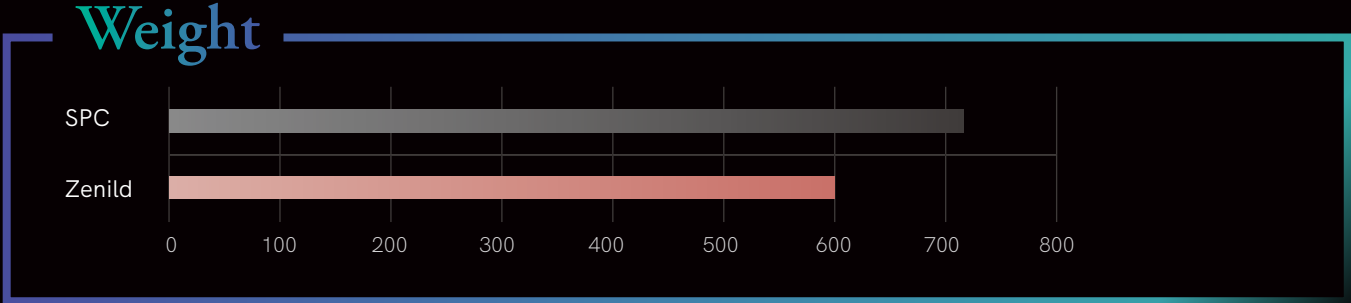
Ultra light weight solution

Spec.

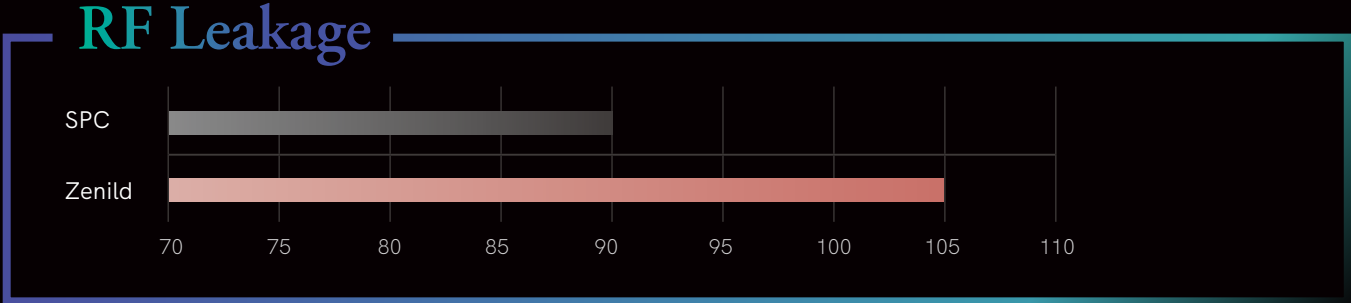


Our unique braiding technology, "Zenild®" provides superior shielding effectiveness VS copper wire and offers significant weight savings. Silver Plated Fiber delivers over 60% weight savings VS copper wire at equal volumes.

Zenild® vs Silver Plated Cooper



For 10M Cable





Microwave Cable & Connector

FlexiBe®

- Impedance (Nominal) : 50 ± 1 Ohm
- Velocity Propagation : 70% (Nominal)
- RF Leakage : -110dB
- Minimum Bend Radius [mm] : 1.5 (SFPS27D1) | 5.0 (SFPS24D1)
- Loss Stability vs Flexure (Typical) : 0.1 dB

Spec.



DC ~ 67GHz

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						67GHz	67GHz
	FlexiBe 67	Solid	2 ± 0.1	12.6	-40 ~ 125	-11	27

Spec.



DC ~ 50GHz

Figure	Product	Center Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						50GHz	50GHz
	FlexiBe 50	Solid	2.5 ± 0.1	19.4	-40 ~ 125	-6.7	52

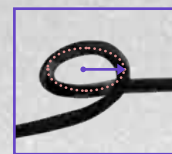
Available Connector : 1.85mm, 2.92mm, SMA



FlexiBe®

Bend Form to Function

Minimum Bend Radius 1.5mm Cable Assembly



Minimum Bend Radius 1.5mm
Flammability rating : UL94-V0

High Shielding Effectiveness using a Triple-Shielded Structure : -110dB(min)

Freq.
DC to 67GHz

Low-loss
EMI shielding

MIL-STD
satisfactory

MBR 1.5mm
Outer diameter 2mm

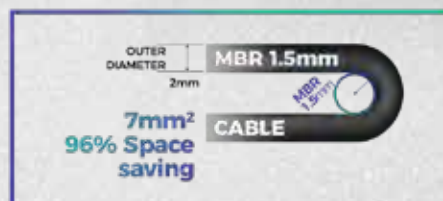
Angle Bends Directly Behind the Connector with a Small MBR



Minimum Bend Radius
1.5mm



SENSORVIEW SOLUTION




- DC to 67GHz
- Low-loss, EMI shielding
- MIL-STD compliant
- MBR 1.5mm, 2mm Outer Diameter




- Saves system space by having a MBR of 1.5mm (Minimum Bend Radius 1.5mm)
- Because there are no soldered sections on the connector, FlexiBe reduces attenuation by more than 50% than typical cables.

Micro Coaxial Cable

- Spec.
- 
 - Impedance : 50 ± 2 Ohm
 - Velocity Propagation : 70% (Normal)
 - RF Leakage : -70dB
 - Minimum Bend Radius [mm] : 4.5
 - Loss Stability vs Flexure (Typical) : 0.1 dB

DC ~ 110GHz

Figure	Product	vCenter Conductor Type	Overall Outer Diameter [mm]	Weight [g/m]	Temperature Range [°C]	Insertion Loss [dB/m]	Average Power Rating [Watt] @ 25°C at Sea Level
						110GHz	110GHz
	FXPS29D1	Solid	1.42 ± 0.1	5.3	-40 ~ 85	16.7	15



047 solid Core Flexible Cable (O.D.: 1.42mm)

110GHz Cable Assembly



110GHz mmWave Cable Assembly

Can Sustain Consistent Electrical Performance Under Repeated Bending and Handling

Available Connector : 1.0mm, 1.85mm, SMA



1.0 Male Short



SENSORVIEW



SENSORVIEW



SENSORVIEW



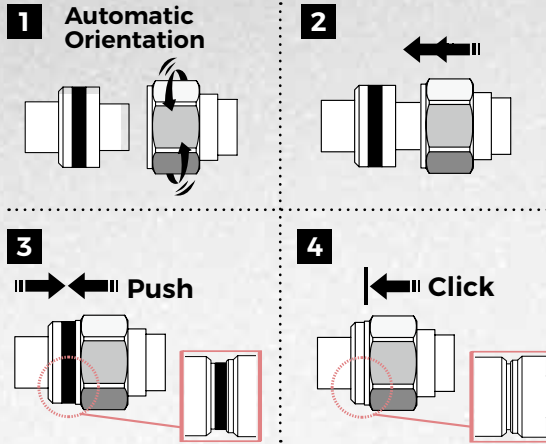
SENSORVIEW

FAST! EASY!
TRANSCEND SMA
"GANNECTOR"

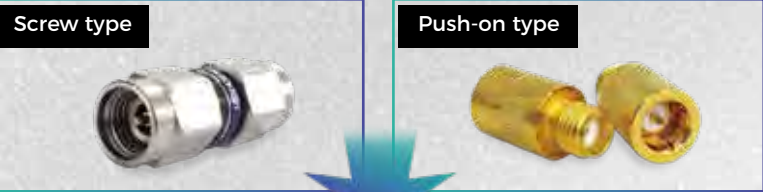
Magnetic Connect Solution
Gannector®



Mating



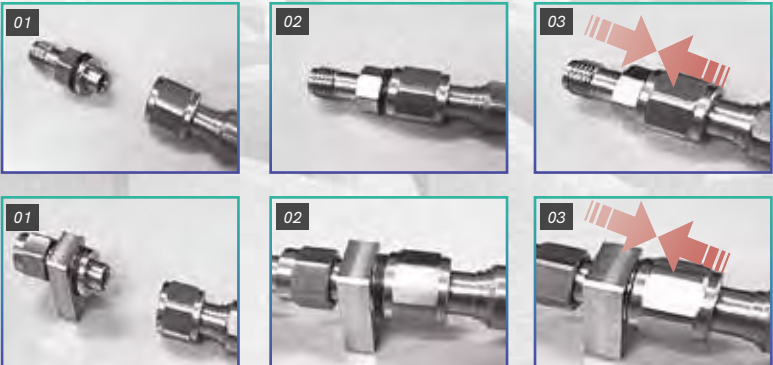
When male and female components are united, the coupling nut will **automatically orient** them.
When pressed so that the **black band is no longer visible**, it will produce a "click" sound.



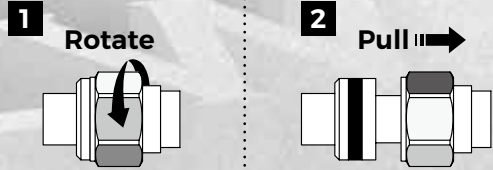
Hybrid Connector - Gannector®

- Excellent contact resistance
- Tool-less (No torque wrench required)
- High frequency (up to 20GHz) : S, X, Ku band
- Quick-Lock

HOW TO



Unmating



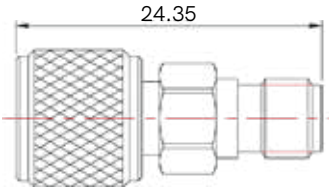

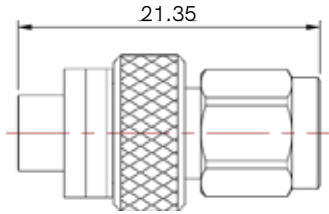

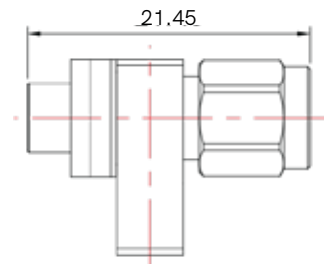

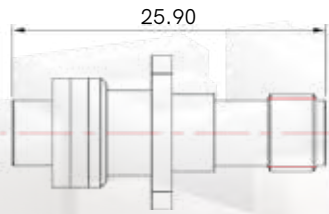

If you separate the components **while turning them 90 degrees**, they will seamlessly separate.

Improved Efficiency via Rapid Magnetic Connect and Disconnect.



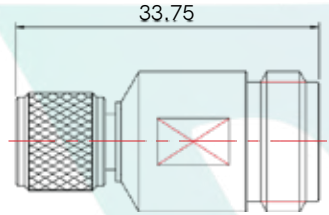

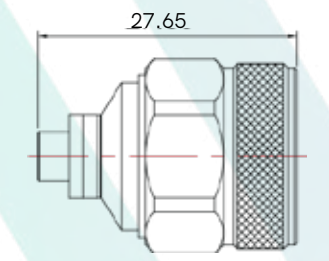

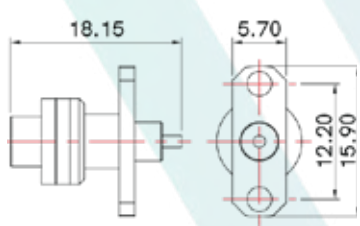

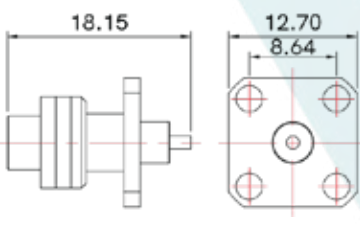

GANNECTOR

DC ~ 18GHz

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
Gannector(m) to SMA(f) M2P92MST-SMAF-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 350 times	
Gannector(f) to SMA(m) M2P92FST-SMAM-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 350 times	
Gannector(f) to SMA(m) M2P92FPM-SMAM-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 350 times	
Gannector(f) to SMA(f) M2P92F4H-SMAF-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x √F• Mating cycle : 350 times	

GANNECTOR

DC ~ 18GHz

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
Gannector(m) to N(f) M2P92MST-NF-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 350 times	
Gannector(f) to N(m) M2P92FST-NM-001		<ul style="list-style-type: none">• VSWR : 1.35 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 350 times	
Gannector(f) 2 Hole M2P92F2H-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 350 times	
Gannector(f) 4 Hole M2P92F4H-002		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 350 times	

Contact while Sliding







Easy soldering



ZERO LOSS IN HAVING TO FIND BOLTS



Spring : A spring supports the block that holds the lower part of the PCB mounting component. As such, a PCB is maintained in a horizontal position when placed, preventing PCB and connector PIN damage.

Type	PCB	Part No.	Frequency	VSWR	Spec. QR Code
1.85mm	8Mil	CCA300PBZ001	67GHz	1.5 Max.	
	10Mil	CCA300PBZ002			
2.4mm	8Mil	CCA500PBZ001	50GHz	1.5 Max.	
	10Mil	CCA500PBZ004			
2.92mm	8Mil	CCA700PBZ001	40GHz	1.4 Max.	
	10Mil	CCA700PBZ005			



Microwave Coaxial Connector & Adapter

SENSORVIEW coaxial connectors & adapters are designed and manufactured to guarantee optimized performance of the end products. We can provide the optimum transition for low return loss. Specially we can tailor connectors to specific equipment and application needs.



Connector EM Design

Proprietary EM Design and Precision
Assembly Technology for **DC-67GHz**

ADAPTER

DC ~ 67GHz - 1.85mm(V)

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
1.85mm(m) to 1.85mm(m) 1P85MST-1P85M-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.05dB x \sqrt{F}• Mating cycle : 500 times	
1.85mm(m) to 1.85mm(f) 1P85MST-1P85F-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.05dB x \sqrt{F}• Mating cycle : 500 times	
1.85mm(f) to 1.85mm(f) 1P85FST-1P85F-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.05dB x \sqrt{F}• Mating cycle : 500 times	
1.85mm(f) to 1.85mm(f) 1P85F4H-1P85F-001		<ul style="list-style-type: none">• VSWR : 1.30 Max• Impedance : 50 ohm• Insertion loss : - 0.05dB x \sqrt{F}• Mating cycle : 500 times	

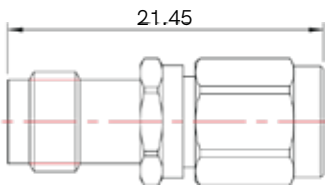

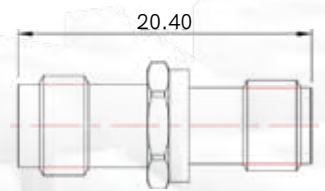
ADAPTER

DC ~ 50GHz - 2.4mm

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
2.4mm(m) to 2.4mm(m) 2P4MST-2P4M-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(m) to 2.4mm(f) 2P4MST-2P4F-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(f) to 2.4mm(f) 2P4FST-2P4F-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(f) to 2.4mm(f) 2P4F4H-2P4F-001		<ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x \sqrt{F}• Mating cycle : 500 times	

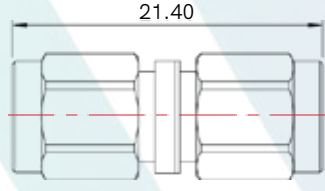

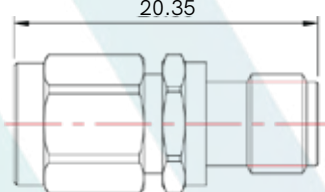

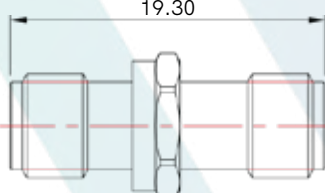

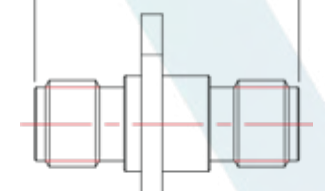

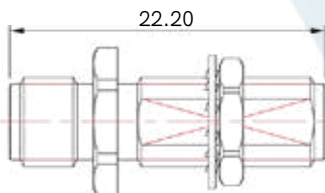

ADAPTER

DC ~ 40GHz - 2.4mm to 2.92mm

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
2.4mm(m) to 2.92mm(m) 2P4MST-2P92M-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(m) to 2.92mm(f) 2P4MST-2P92F-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(f) to 2.92mm(m) 2P4FST-2P92M-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.4mm(f) to 2.92mm(f) 2P4FST-2P92F-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	

ADAPTER

DC ~ 40GHz - 2.92mm(K)

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
2.92mm(m) to 2.92mm(m) 2P92MST-2P92M-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.92mm(m) to 2.92mm(f) 2P92MST-2P92F-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.92mm(f) to 2.92mm(f) 2P92FST-2P92F-001		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.92mm(f) to 2.92mm(f) 2P92F4H-2P92F-004		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x \sqrt{F}• Mating cycle : 500 times	
2.92mm(f) to 2.92mm(f) 2P92FBH-2P92F-005		<ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x \sqrt{F}• Mating cycle : 500 times	

ADAPTER

DC ~ 18 / 26.5GHz - 3.5mm / SMA

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
3.5mm(f) to 3.5mm(f) 3P5FBH-3P5F-001		Frequency : DC ~ 26.5Ghz <ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x √F• Mating cycle : 500 times	
SMA(m) to SMA(m) SMAMST-SMAM-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 500 times	
SMA(f) to SMA(f) SMAFST-SMAF-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.15 Max• Impedance : 50 ohm• Insertion loss : - 0.03dB x √F• Mating cycle : 500 times	
SMA(f) to SMA(f) SMAF4H-SMAF-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.25 Max• Impedance : 50 ohm• Insertion loss : - 0.05dB x √F• Mating cycle : 500 times	
SMA(f) to SMA(f) SMAFBH-SMAF-002		Frequency : DC ~ 26.5Ghz <ul style="list-style-type: none">• VSWR : 1.20 Max• Impedance : 50 ohm• Insertion loss : - 0.04dB x √F• Mating cycle : 500 times	

ADAPTER

DC ~ 18GHz - SMA to N type

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
SMA(m) to N(f) SMAM4H-NF-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.20 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 500 times	
SMA(f) to N(f) SMAF4H-NF-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.30 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 500 times	

DC ~ 18GHz - N type

Part No. Description	Drawing [mm]	Specification	Spec. QR Code
N(f) to N(f) NF4H-NF-001		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.20 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 500 times	
N(f) to N(f) NFBH-NF-002		Frequency : DC ~ 12.4Ghz <ul style="list-style-type: none">• VSWR : 1.20 Max• Impedance : 50 ohm• Insertion loss : - 0.06dB x √F• Mating cycle : 500 times	
N(f) to N(f) NFBH-NF-003		Frequency : DC ~ 18Ghz <ul style="list-style-type: none">• VSWR : 1.20 Max• Impedance : 50 ohm• Insertion loss : - 0.07dB x √F• Mating cycle : 500 times	

MULTI/MICRO-COAXIAL Dual-ports RF Interconnector MG210



5G Antenna module for
Small cell & base station

What is 5G Antenna module?

Communication equipment (small-cell and baseband station) manufacturers have difficulties in designing mmWave antenna module yet. For this reason, **Qualcomm** provides mmWave antenna modules, not chipset only.

Where are Sensorview products?

MG210 is mounted on **Qualcomm's** mmWave Antenna module.

MG210 has low-loss, low EMI leakage traits with multi-gang micro interconnector. Coaxial lines are combined into a connector with 50 ohm matched thoroughly. Slide-mating interface secures anti-rotation and anti-vibration stability.

Main applications are CPE, Small cell, Laptop, IF signal transmission.

Features

- Space Efficiency :**
Minimize footprint size by 2 ganged connector
- Power Efficiency :**
Low loss coaxial cable (DK < 2.0)
- Mechanically Stability :**
Strong resistance to X-Y-Z moving and vibration
- Minimized Crosstalk :**
Each contact is electrically/mechanically separated
- Minimized RF Interference :**
Full - enclosed mating by ground shell

MG210 Products

- Receptacle :**
(P/N : MG210RE02)
- Plug to plug cable assembly :**
(P/N : MGC102XX)
- Plug to Female SMAs cable assembly :**
(P/N : TRA2PA5)
- Plug to Male SMAs cable assembly :**
(P/N : TRA2PA6)
- Tweezer for Mating and unmating a plug :**
(P/N : GJSZZA5)

Application



CPE / Hotspot
(Customer
Premises
Equipment)



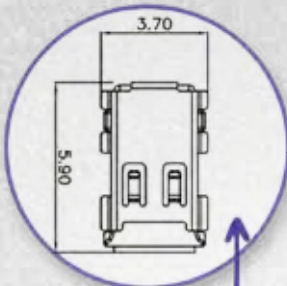
Femtocell /
Small cell



Laptop



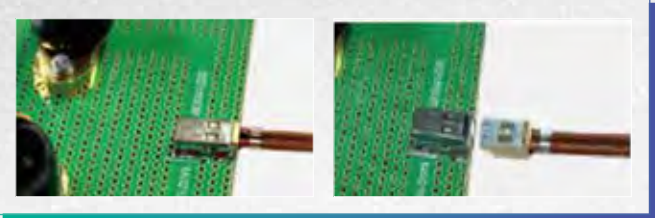
[Receptacle]



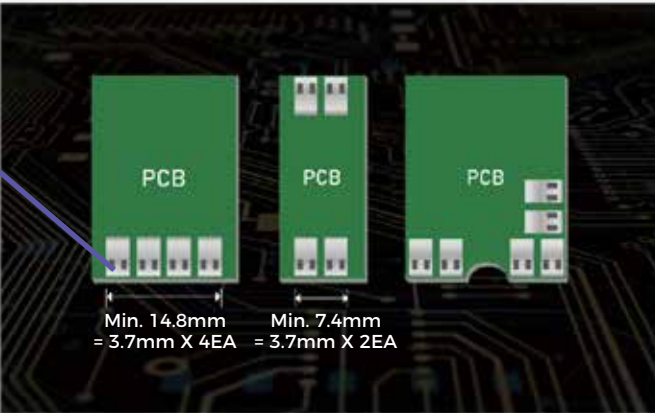
Mating Direction
Sliding Type

SV AWG32
= O.D 0.88mm

[Plug Cable Assembly]



MGC10216 Mated into MG210RE02



Footprint(land pattern) area of multiple MG210 receptacles

Specification		MG210
Ports (RF Signal)		2ports (can assemble with1port connector)
Frequency		DC to 10GHz (Can support up to 15GHz)
Mating direction		Horizontal (Sliding)
Size (X,Y)	{ PCB pad }	3.7 x 5.9mm
Size (X,Y)	{ Top view }	3.7 x 5.9mm
Size (Z)	{ Mate height }	2mm
Cable	Diameter	0.88mm
Insertion loss	(@10GHz/200mm)	-1.7dB
VSWR	(DC to 10GHz)	Max 1.5
Crosstalk	(DC to 10GHz)	Typical < - 45dB

MULTI/MICRO-COAXIAL Dual-ports RF Interconnector MG215M



What is 5G M.2 card?

Laptop, CPE manufacturers need easy 'plug and play' card to realized 5G mmWave. For this reason, OEM of **Global top fabless RF chip company** manufactures M.2 cards by **Global top fabless RF chip company's** reference design.

Where is Sensorview products?

MG215M is listed on recommended components in **Global top fabless RF chip company** reference design.

MG215M has low-loss, low EMI leakage, dual-ports micro coaxial RF interconnector. Two Coaxial lines are in a connector with 50 ohm matched thoroughly. **Vertical-mating** interface secures anti-rotation and anti-vibration stability.

Main applications are **CPE, Laptop, M.2 Card RF or IF(Intermediate Frequency) transmission.**

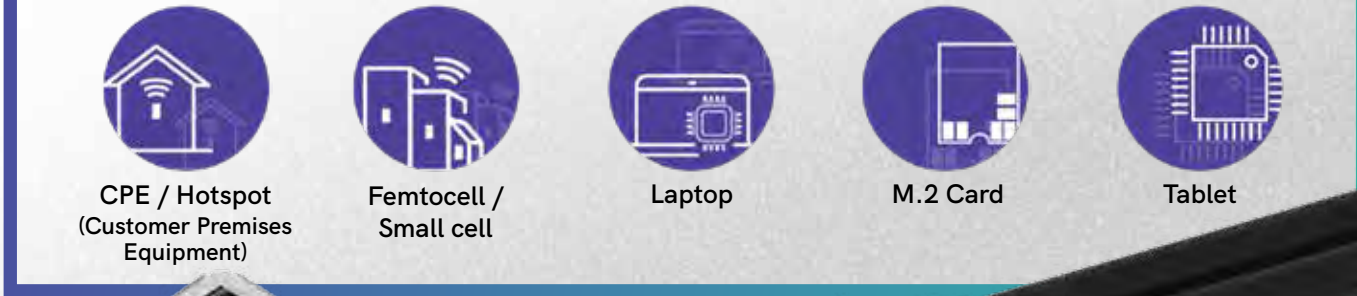
Features

- Footprint / Mating height :** Minimize footprint and mating height with dual-ports
- Power Efficiency :** Low loss coaxial cable (DK < 2.0)
- Minimized Crosstalk :** Each contacts are electrically/mechanically separated
- Minimized RF Interference :** Enclosure is fully shielded by ground shell

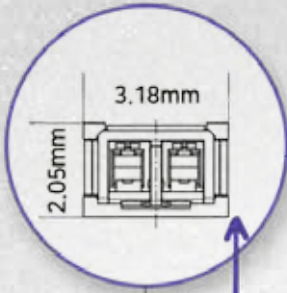
MG215M Products

- Receptacle :** (P/N : MG215MRE02)
- Plug to plug cable assembly :** (P/N : MGC152XX)
- Plug to Female SMAs cable assembly :** (P/N : TRA2P01)
- Plug to Male SMAs cable assembly :** (P/N : TPA2PA3)
- Tweezer for Mating and unmating a plug :** (P/N : GJSZZA7)

Application



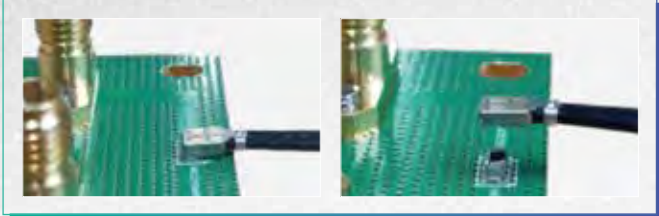
[Receptacle]



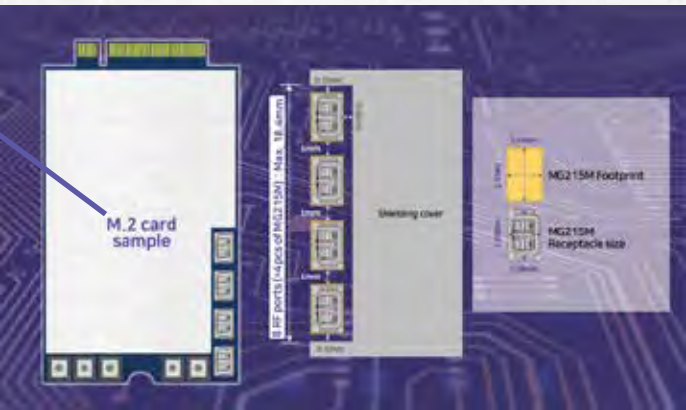
Mating Direction
Top-Down Type

SV AWG30
= O.D 1.1mm

[Plug Cable Assembly]



Example _ Antenna modules



Footprint(land pattern) area of multiple MG215M receptacles

Specification		MG215M
Ports (RF Signal)		2ports (can assemble with1port connector)
Frequency		DC to 15GHz
Mating direction		Vertical (Top-down)
Size (X,Y)	{ PCB pad }	3.1 x 2.0mm
Size (X,Y)	{ Top view }	3.1 x 2.0mm
Size (Z)	{ Mate height }	1.4mm
Cable	Diameter	1.1mm
Insertion loss	(@10GHz/200mm)	-1.35dB
VSWR	(DC to 15GHz)	Max 15
Crosstalk	(DC to 15GHz)	< - 50dB

We make your
RF the BEST


Your trusted partner
for 5G and BEYOND-5G

Antenna 

For
Sub6
For
mmWave

	[For Sub6]	[For mmWave]
[Test & Measurement]	<p>600MHz - 9GHz</p>  <p>OTA Chamber Wide Band Antenna</p>	<p>24GHz - 48.5GHz</p>  <p>26/28/39GHz band antenna Smartphone Chip module Horn Antenna Lens Antenna</p>
[In-building]	<p>698 - 960MHz / 1710 - 2690MHz / 3.5GHz / 5.8GHz</p>  <p>Transparent Antenna (SISO) Transparent Antenna (MIMO) Disk Type Antenna (SISO/MIMO)</p>	<p>28GHz (Optimized by request)</p>  <p>Beamforming Antenna (@W/O chip) Wide beam scanning Antenna</p>



SMFinder® High-end mmWave Antenna

**Stable & Accurate
Measurement**

SMFinder® type antennas promise
stable & accurate measurement
for relative DUT performance.

Application



Lab & Bench
Test



OTA
Shield Box








Phase and Gain
Adjustable

Light-Weight

High Reliable
Performance

24 to 48GHz /
55 to 67 GHz

Products

Figure	Product	Frequency [GHz]	Gain [dBi/dBic]	Polarization	Size [WxHxD] / [mm]	Connector Type
	0015-01	24.0-29.5	10	Vertical & Horizontal	30(@) X 45	2.92mm
	0015A	24.0-40.5	15	Vertical & Horizontal	35(@) X 80	2.4mm
	0015B (Type 1)	24.0-40.5	13	Vertical	17 X 17 X 25	2.92mm
	0015B (Type 2)	24.0-40.5	13	Vertical	17 X 18 X 33	2.92mm
	0015C	24.0-48.5	15	Vertical & Horizontal	42 X 42 X 60	2.4mm
	0015D	24.0-48.5	15	Vertical	34 X 24 X 45	2.4mm
	0015E	24.0-40.5	15	Vertical & Horizontal	52(@) X 123	2.92mm

COMPACT **OTA** TESTING

SMFinder series are highly efficient antennas for compact OTA testing.



Circular Polarization Antenna

CP antenna for broadband










- Mass-production available
- Lower cost
(antenna, chamber box, absorber)

Good performance of axial ratio

- Compact size
(antenna, chamber box)
- Lighter than horn antennas



Products

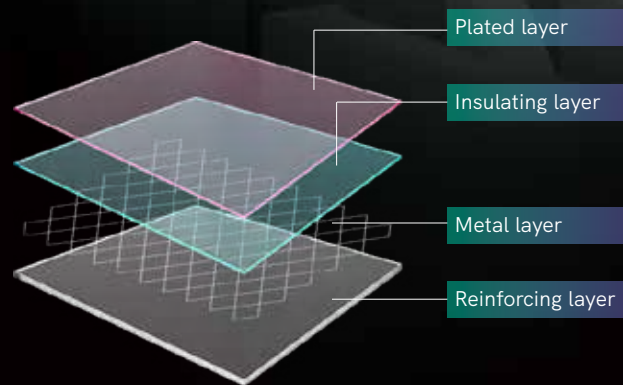
Figure	Product	Frequency [GHz]	Gain [dBi/dBic]	Polarization	Size [WxHxD] / [mm]	Connector Type
	0016	24.2-43.5	13	Circular	18 X 15 X 24	WR 28
	0016A	24.4-43.5	13	Circular	21 X 18 X 35	2.4mm
	0016B	24.2-48.5	14	Circular	18 X 20 X 41	2.4mm
	0016C	24.2-48.5	10.3	Circular	11 X 14 X 24	2.4mm
	0017	57-67	15	Circular	15(@) X 21	WR 15
	0013A	24.2-29.5	10	Circular	27 X 27 X 14	2.92mm
	0050	26.5-29.5 / 37.5-40.5	11/12	Circular	42 X 42 X 22	2.92mm
	0051	24-26.5 / 26.5-29.5 / 37.5-40.5	11/11/12	Circular	42 X 42 X 27	2.92mm
	0052	24-26.5 / 26.5-29.5 / 37.5-40.5 / 40.5-43.5	9/9/9/9.5	Circular	42 X 42 X 11	2.4mm

Antennas for Sub-6GHz In-Building Solution



illum Transparent
Antenna

The Most Suitable Antenna Solution
for In-Building Networks for the New Era



95% Transparency
'ESG' Low Plastic Usage
Secured Performance

Description	Type	Frequency [GHz]	Gain [dBi]	Availability
Transparent	SISO	0.824~0.96 / 1.71~2.17 / 2.3~2.69 / 3.4~3.7	2.0 / 3.0 / 3.0 / 3.0	Available now
	MIMO	0.698~0.96 / 1.71~2.17 / 2.3~2.69 / 3.4~3.7	2.0 / 3.0 / 3.0 / 3.0	Available now
	SISO	0.617~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	2.0 / 3.0 / 3.0 / 3.0	Available now
	MIMO	0.617~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	2.0 / 3.0 / 3.0 / 3.0	Available now
	SISO	1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 3.0 / 3.0	Available now (for Window)
	MIMO	1.71~2.17 / 2.3~2.69 / 3.4~4.	3.0 / 3.0 / 3.0	Available now (for Window)

Broadband Performance for Various Service



Ultra-thin
(only 7 mm thickness)
antenna for indoor

Reliable antenna
performance

Eco-friendly installation

SF141 type (pig tail) available
N-type or 4.3-10 mini-DIN
connector available

Description	Type	Frequency [GHz]	Gain [dBi]	Availability
UFO	SISO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now (Ceiling type)
	MIMO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now
	SISO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now (Wall type / Side pigtail)
	SISO	0.698~0.96 / 1.35~2.69 / 3.3~4.0	2.5 / 4.0 / 5.0	Available now (Ceiling / Pigtail type)
	MIMO	0.698~0.96 / 1.35~1.55 / 1.71~2.69 / 3.3~4.0	4.0 / 4.0 / 4.0 / 5.0	Available now (Ceiling / Pigtail type)

Pass the Baton without a Touch

5G Wireless Devices

ST60

Contactless Connectivity

Data transmission
6Gbps, Total jitter
0.375UI, 5~20mm

High Speed
(6.25Gbps)

Energy
Efficiency (mW)

short distance
(5~20mm) 60GHz

Wireless
connector

High-Gain + Gain-Flatness + Improved-Isolation with Miniaturized Form Factor



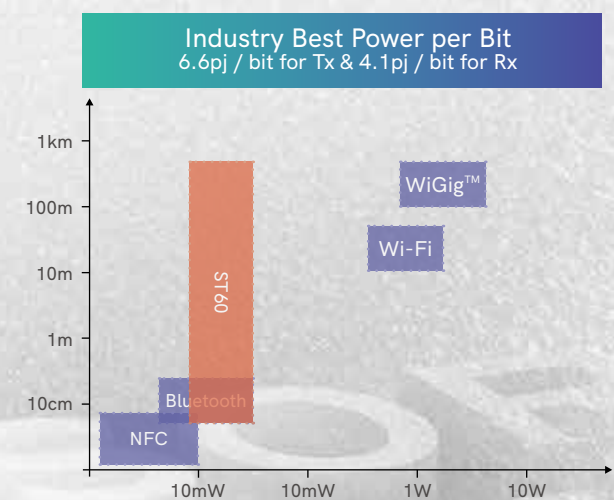
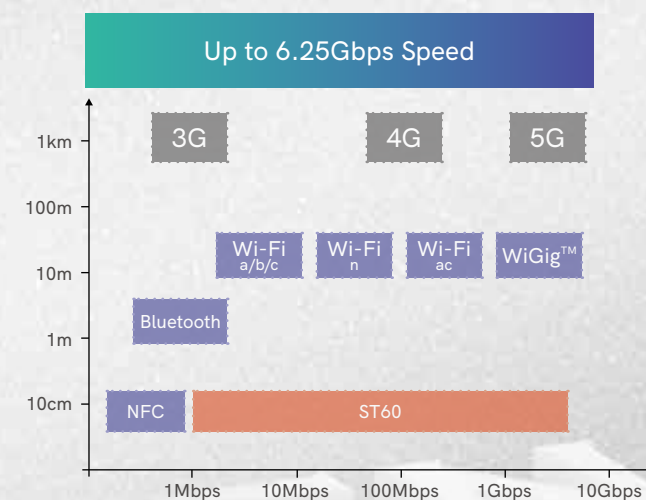
Side to side

Face to face

Side to side (Multi-link)



01. Replace physical-contacting cable and connector
Communicate in rotating 360degree
02. Transmit / Receive 6.25Gbps without physical contact of connectors
No wear-off conductor(or pin) of connector and cable
03. Transmit / Receive data and power with combination of commercialized wireless-power-transfer device
04. Provide ST60 antenna modules with interfaces of connector or SMT



Application

Factory Automation (e.g. OTA Testing & Flashing)



No cables to plug / unplug for reliability and higher manufacturing productivity.

Display (e.g. LED TV & Display Wall)



LED tiles without physical connectors for detachability, form-factor, reliability.

Industrial Equipment (e.g. Monitoring, Machine Vision)












Contactless, freedom of movement, physical and electrical isolation, form-factor, reliability.

Personal Electronics (e.g. Smartphone, Wearable)



No connector wear & tear, water and dust proof, sleek design, foldable display.



Type		Figure	Frequency [GHz]	Peak gain [dBi]	Substrate (FR4) (Layer/Thickness mm)
F2F	Type 1		55 ~ 65	7.4	6L 1.2T
	Type 2		55 ~ 65	7.5	6L 1.2T
	Dual		56 ~ 66	5.5	6L 1.2T
	Vertical horn		55 ~ 65	7.8	4L 1T
	Slant horn		55 ~ 65	7.5	4L 1T
	Multi-link		55 ~ 65	7.4	6L 1.2T
S2S	Multi-link		55 ~ 65	6.5	6L 1.2T
	Type 1		55 ~ 65	4.1	6L 1.2T
	Type 2		56 ~ 66	4.9	6L 1.2T

Feature	Module Size (mm)	Product	Max data rate (Gbps)	Max. Distance (mm)	
				Half duplex	Full duplex
Coaxial feed	16 x 17.5 x 1.2	S60PVS1A	5	25mm	X
Aperture coupling	16 x 17.5 x 1.2	S60PVS2A	5	25mm	X
Dual feeding patch	18.5 x 14 x 1.2	S60PVD1A	6.25	8mm	Not support
Horn	17 x 18.5 x 1	S60HVD1A	6.25	20mm	Not support
Horn	19 x 18.5 x 1.2	S60HVD2A	6.25	20mm	9mm
Coaxial feed	60.5 x 60.5 x 1.2	S60PVM1C	3	35mm	15mm
Dipole w / dielectric guide	53 x 50 x 1.2	S60PHM1A	2.83	32mm	On-going
Vivaldi	16 x 22 x 1.2	S60PHS1A	5	12mm	X
Quasi yagi	16 x 20 x 1.2	S60PHS2A	5	10mm	X

Type		Frequency [GHz]	Peak gain [dBi]	Substrate (FR4) (Layer/Thickness mm)	Feature
F2F	SAM1	55 ~ 65	6dBi	6L 1.2T	Single No R/C No shield can
	SAM2	55 ~ 65	6dBi	6L 1.2T	Loopback + R/C
	SAM3	55 ~ 65	5dBi	6L 1.2T	SAM2 + R/C + Shield can
	SAM4	56 ~ 66	8dBi	4L 1.2T (v1) 6L 1.2T (v2)	Horn + R/C
	SAM5	56 ~ 66	8dBi	6L 1.2T	Horn + R/C + Shield can
S2S	SAM1	55 ~ 65	6dBi	6L 1.2T	Single + R/C
	SAM2	55 ~ 65	6dBi	6L 1.2T	Single + R/C + Shield can

Module Size (mm)	Product	Max data rate (Gbps)	Max. Distance (mm)	
6.4 x 7.4	S60PVS3A	2.83 ~ 5.66	20 ~ 12	Verified
6.4 x 10	S60PVS4A	2.83 ~ 5.66	20 ~ 12	On-going
8 x 14	S60PVS4B	2.83 ~ 5.66	16 ~ 8	On-going
8 x 14	S60HVS1A	2.83 ~ 5.66	22 ~ 14	to be update
8 x 14	S60HVS1B	2.83 ~ 5.66	22 ~ 14	to be update
8 x 12	S60PHS3A	2.83 ~ 5.66	20 ~ 12	On-going
8 x 12	S60PHS3B	2.83 ~ 5.66	20 ~ 12	On-going

"Our Upcoming Office Building,
Approximately 11,570m²"

Representative

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for **5G** and **BEYOND-5G**

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