



Company Presentation

WEVERCOMM CO., LTD.

RM#802, Venture Valley, 958, Gosaek-Dong,
Suwon-Si, Gyeonggi-Do, 16642, KOREA
Tel: +82-31-223-3197~8, Fax: +82-31-298-3199



Part 01 _ COMPANY INTRODUCTION

Part 02 _ PRODUCT APPLICATION

Part 03 _ PRODUCT LINE

Part 04 _ NEW PRODUCT

01 COMPANY INTRODUCTION

RF and Microwave Technology
Best your Reliable Partner

COMPANY OVERVIEW



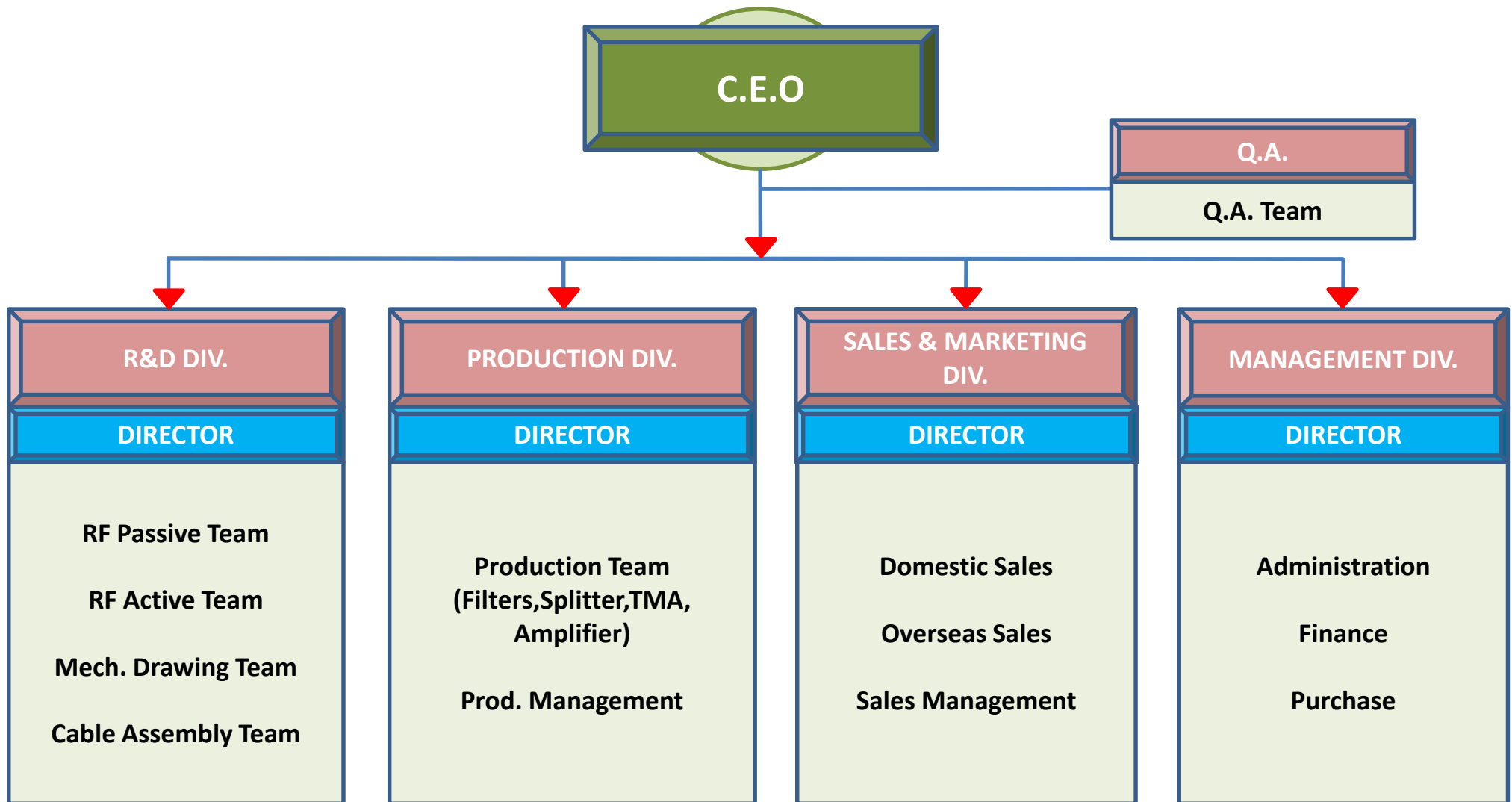
COMPANY NAME	WEVERCOMM CO. LTD.
C.E.O.	David Lim
ESTABLISHED	2002. 04. 12.
EMPLOYEE	31 People (detail in Organization)
Total Sales(Y2015)	USD 9.8 Million
BUSINESS AREA	<p>RF & Passive Components</p> <ul style="list-style-type: none">● RF Component (Filters, Dividers, Dummy Loads, etc.)● High Freq. Cable and Assembly● Antenna Site Product(TMA, Combiner, etc.)● Accessories(Switches, Ceramic Based Pdc)
CONTACT	<p>#802, Venture Valley, #958, Gosaek-Dong, Suwon-Si, Gyeonggi-Do, 16642, KOREA</p> <p>Tel. +82-31-223-3197~8 Fax. +82-31-298-3199 E-Mail : sales@wevercomm.com http://www.wevercomm.com</p>



01 COMPANY INTRODUCTION


RF and Microwave Technology
Best your Reliable Partner

ORGANIZATION



ISO9001

International Certification Registrar



Certificate of Registration

This is to certify that :

WEVERCOMM CO., LTD.
(Gosaek-dong, Venture valley) 8F 801, 802-ho, 40, Omokcheon-ro 152beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea

Has been assessed by International Certification Registrar Ltd., in respect of their Quality Management Systems and found to comply with


ISO 9001:2015

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.



Certification Scope
Design, Development, Manufacturing and Sales of RF(Radio Frequency) Microwave Components

Certificate Issue Date : 01st June 2018 Initial Issued Date : 29th May 2015
Expiration Date : 29th May 2021 Certificate No. : Q259817

The Seal of ICR Limited was hereto affixed in the presence of :



President

This certificate is intellectual property of ICR.
The certificate is only valid by completion of surveillance audit which is conducted at least once a year.
You can verify the authenticity of this certificate on "Certification Center" at www.icr.com
If you can not maintain the certification, this certificate shall be returned to ICR.

ISO14001

International Certification Registrar



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Has been assessed by International Certification Registrar Ltd., in respect of their Environmental Management Systems and found to comply with

ISO 14001:2015

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.

Certification Scope
Design, Development, Manufacturing and Sales of RF(Radio Frequency) Microwave Components

Certificate Issue Date : 01st June 2018 Initial Issued Date : 29th May 2015
Expiration Date : 29th May 2021 Certificate No. : E124517

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President




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01 COMPANY INTRODUCTION

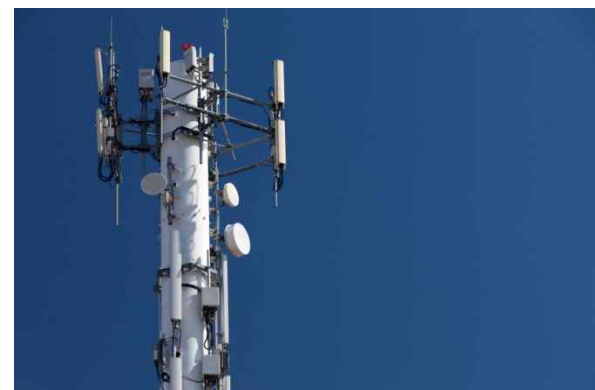
RF and Microwave Technology
Best your Reliable Partner

VISION/MISSION & STRONG POINT



VISION/MISSION

- ◆ Best Solutions for the Every Systems
- ◆ Providing Advanced Wireless solutions
- ◆ Aggressive Investment in R&D
- ◆ Deliver Highly Reliable Products on Time



STRONG POINT

Speedy Design & Fast Delivery
Excellent Technical Skill & Various Items
Reliable & Customized Products
Well Equipped Test Measurement Tools
10,000pcs / Month Production Capabilities



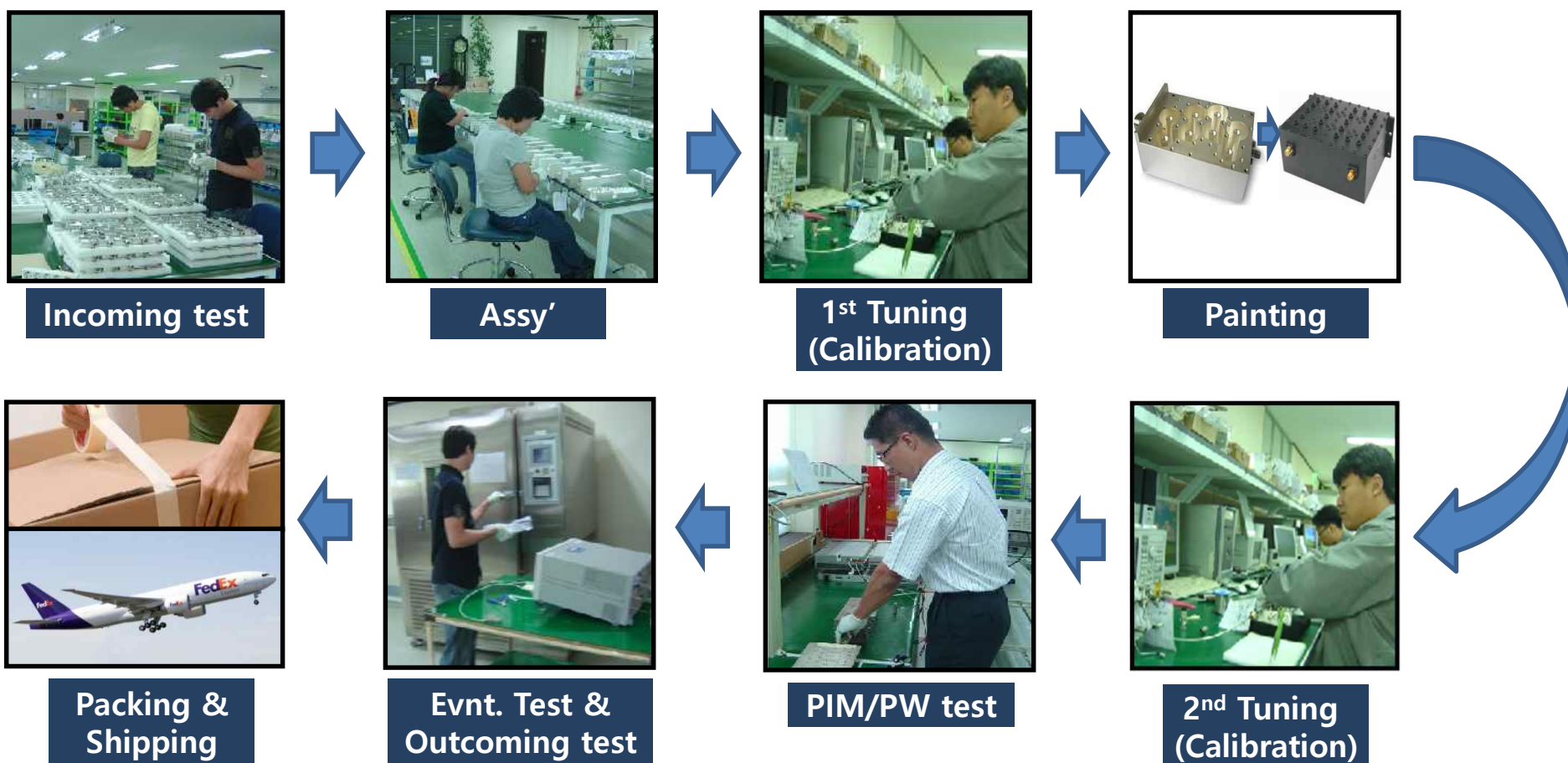
01 COMPANY INTRODUCTION

RF and Microwave Technology
Best your Reliable Partner

PRODUCTION PROCESS



Example for Cavity Filter Line



02 PRODUCT APPLICATION

RF and Microwave Technology
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PRODUCT APPLICATION

Cellular Band(5G, 4G LTE)



02 PRODUCT APPLICATION

RF and Microwave Technology
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PRODUCT APPLICATION



Military System



Broadcasting



Satellite System



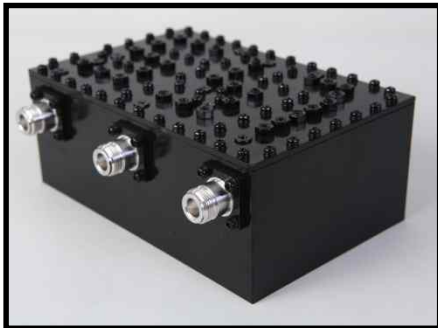
Cavity Filter



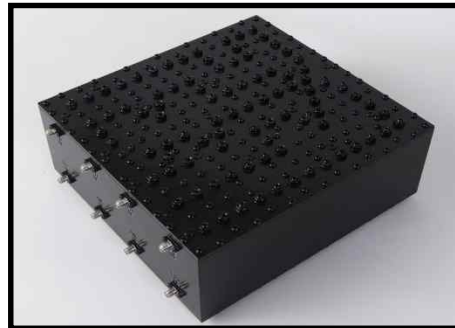
Bandpass Filter



Notch Filter



Duplexer



Multilexer



APPLICATION

- UHF, VHF System
- TETRA System
- Cellular Band System(for 2G, 3G, 4G)
 - > Repeater, Base-station
for GSM900, DCS1800, UMTS, LTE all Bands
 - > Small Cells
- Satellite System
- Military System

03 PRODUCTS

RF and Microwave Technology
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ANTENNA SITE PRODUCTS

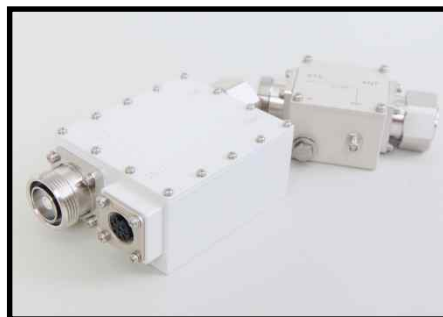
TMA



RET(RCU)



Smart Bias-Tee (Current Injector)



Outdoor Combiner



APPLICATION

- Cellular Band System
 - > TMA's used under the Freq. Band
 - LTE700 & GSM900 & DCS1800 & UMTS & LTE all Bands Antenna.
 - > Accessories : Bias-Tee(Current Injector), PDU(Power Distribution Unit)

@ Option : AISG 2.0

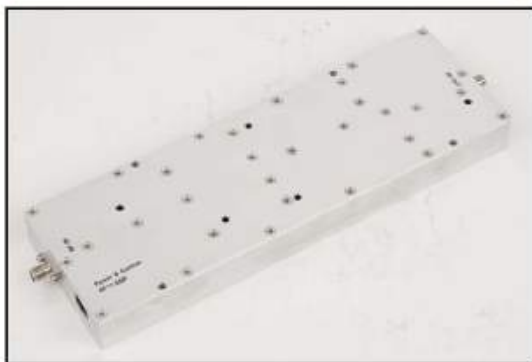
- Type : Single Band TMA
 - Dual Band TMA
 - Quad Band TMA

03 PRODUCTS

RF and Microwave Technology
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High Power Amplifier

Broadband AMP



- Low Noise Amplifier (LNA)
- High Power Amplifier
- Multi-carrier Power Amplifier (MCPA)

#Freq. Range :

2G, 3G, 4G(LTE) and
Satellite, Military, etc.

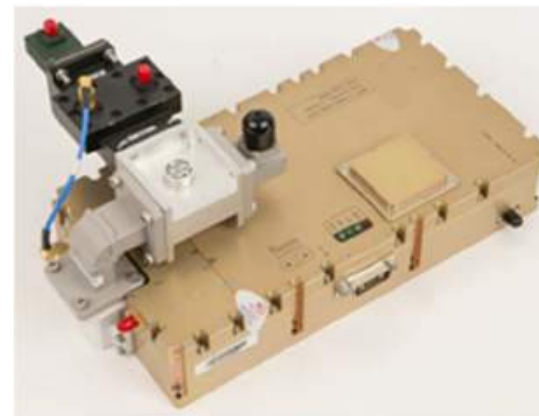
APPLICATION

- Freq : 0.3~100MHz, 30~512MHz, 500~2200MHz, 700~2700MHz, 600~3200MHz etc
- Output Power : 5W~200W
- RF Connectors with SMA or N-type

APPLICATION

- Freq : X-Band
- Output Power : 5W~400W
- RF Connectors with SMA or N-type

X-Band SSPA



04 NEW PRODUCT APPLICATION

RF and Microwave Technology
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BUSINESS AREA



5G Infra Solution



5G Wireless Devices



Connected Car based on 5G



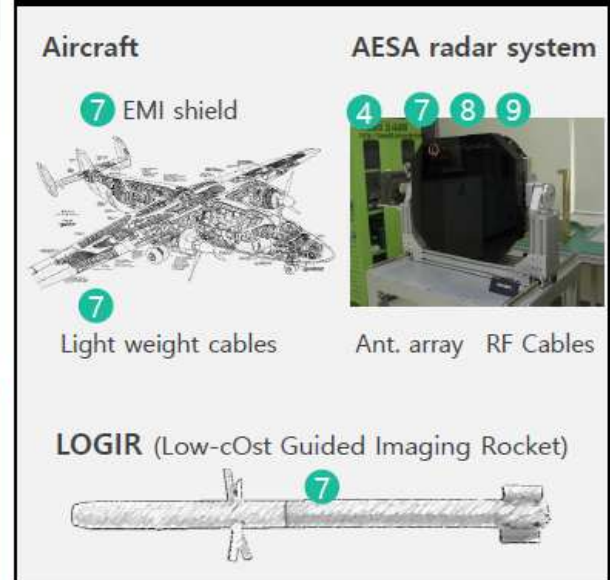
RF T&M/ 5G(mmWave) T&M



Low-loss Microwave Cable



Aerospace & Defense



04 NEW PRODUCT (High Frequency Cable)

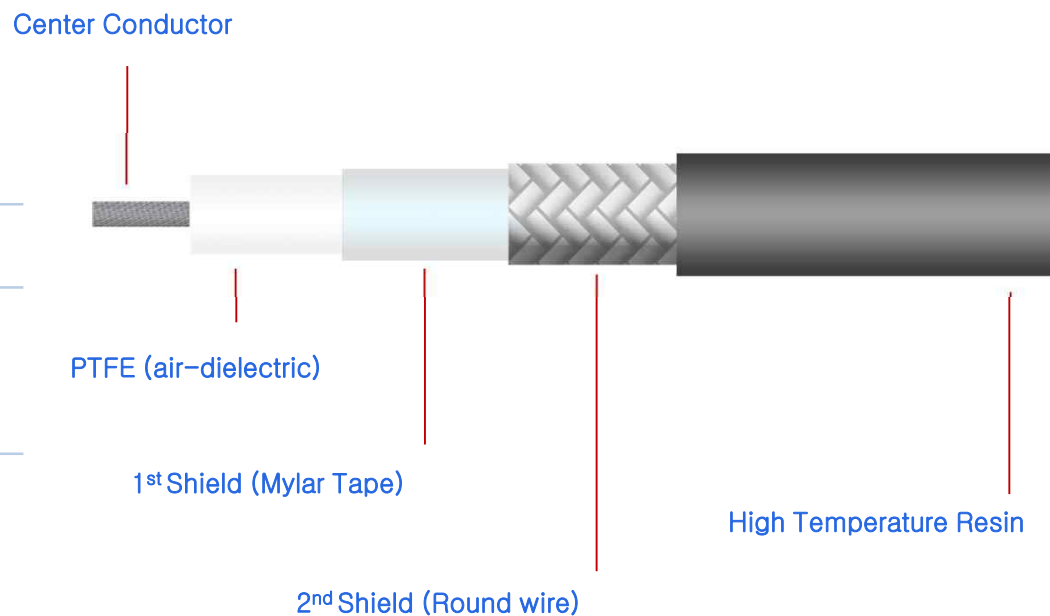
RF and Microwave Technology
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W01S08G (for ~8GHz)



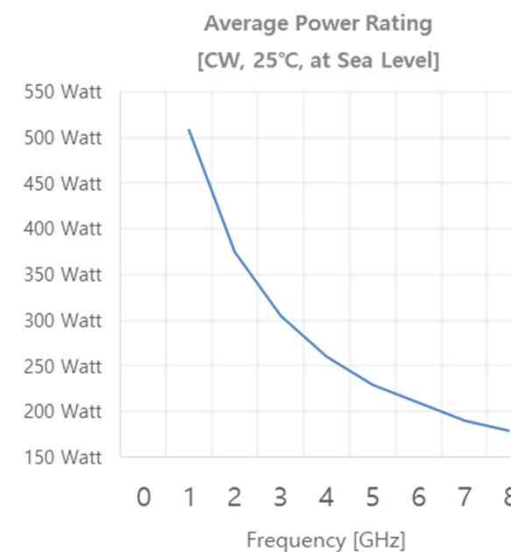
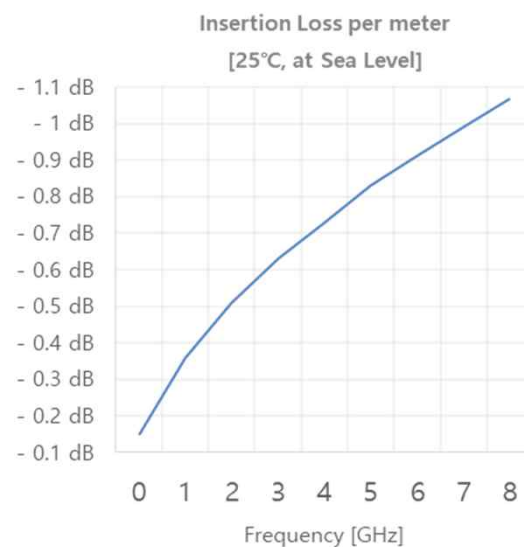
Cable Construction

Part	Material	Diameter
1 Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.225[mm] Φ 19 / 0.0088 [inch]
2 Dielectric	PTFE (air-dielectric)	
3 1 st / 2 nd Shield	Mylar tape & Copper wire	
4 Jacket	Rugged Synthetic Fiber	Φ 5.70 ±0.1 [mm] Φ 0.228 ±0.003 [inch]



Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 8 GHz
Temperature	-50 °C ~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	54
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	2° max. @8GHz
Loss Stability vs. Flexure	Δ 0.05dB to 8GHz
Available Connector	SMA(male, female) / N(male, female)



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W01K08G (for ~8GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.225[mm] Φ 19 / 0.0088 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Mylar tape & Copper wire	
4	Jacket	Rugged Synthetic Fiber	Φ 5.70 \pm 0.1 [mm] Φ 0.228 \pm 0.003 [inch]

Center Conductor

PTFE (air-dielectric)

1st Shield (Mylar Tape)

2nd Shield (Round wire)

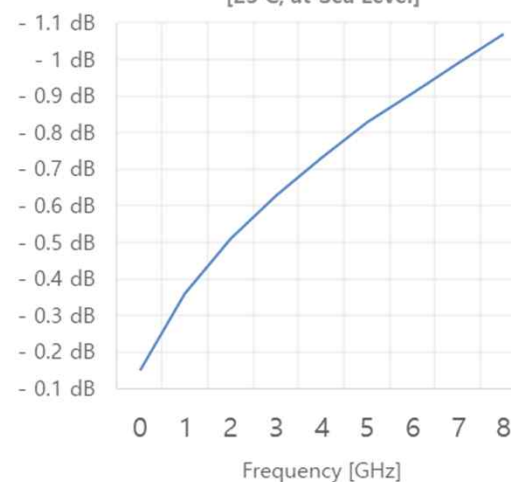
High Temp Resin

Rugged Synthetic Fiber

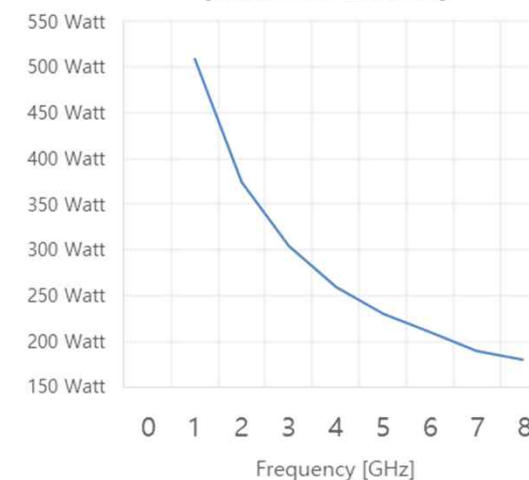
Electrical & Mechanical Specification

Characteristic Impedance	50 \pm 1 Ω
Operating Frequency	DC to 8 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	54
Shielding Effectiveness	< -100 dB
Phase Stability vs. Flexure	2° max. @8GHz
Loss Stability vs. Flexure	Δ 0.05dB to 8GHz
Available Connector	SMA(male, female) / N(male, female)

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
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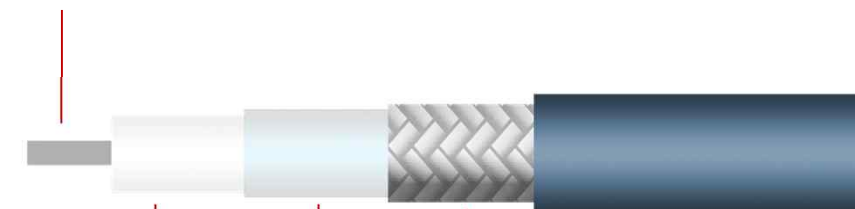
W02F18GD (for ~18GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Solid]	Φ 91 [mm] Φ 0.036 [inch]
2	Dielectric	PTFE (Air-Dielectric)	
3	1 st / 2 nd Shield	Mylar tape & Copper Wire	
4	Jacket	FEP	Φ 3.80 ±0.1 [mm] Φ 0.15 ±0.003 [inch]

Center Conductor



PTFE (air-dielectric)

1st Shield (Mylar Tape)

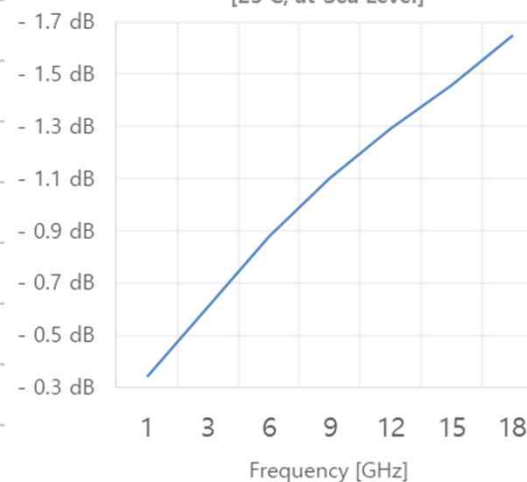
2nd Shield (Round wire)

FEP (Fluorinated Ethylene Propylene)

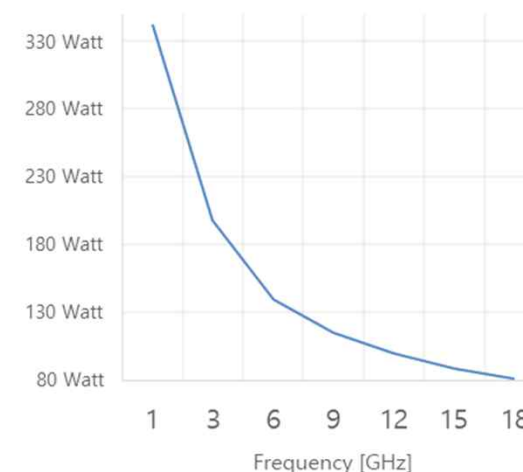
Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 18 GHz
Temperature	-50 °C~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	15 mm / 0.59 inch
Weight [g/m]	33
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	20° max. @18GHz
Loss Stability vs. Flexure	Δ 0.1dB to 18GHz
Available Connector	SMA(male, female) / N(male, female)

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

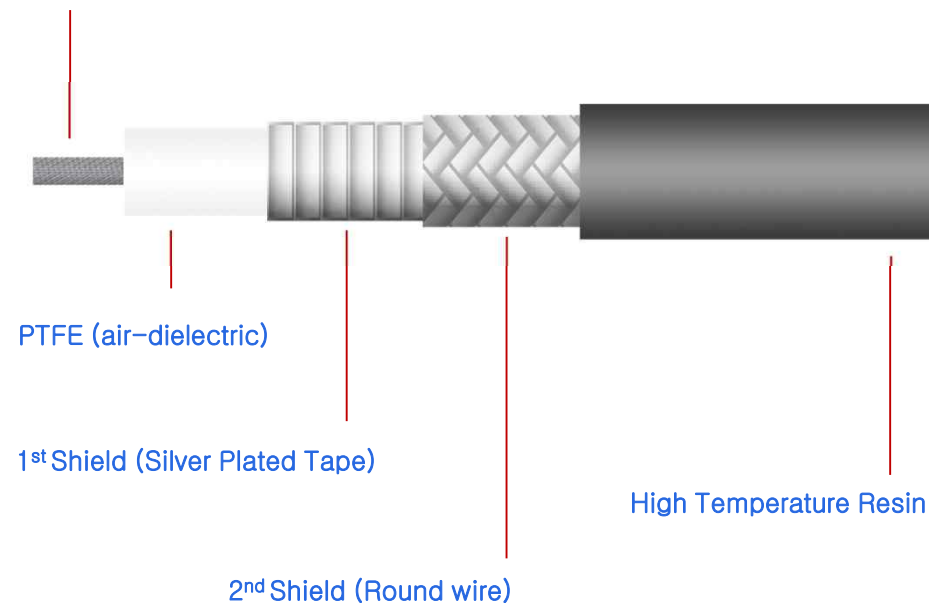
W02S18G (for ~18GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.287[mm] Φ 19 / 0.0113 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	High Temperature Resin	Φ 6.30 ±0.1 [mm] Φ 0.244 ±0.003 [inch]

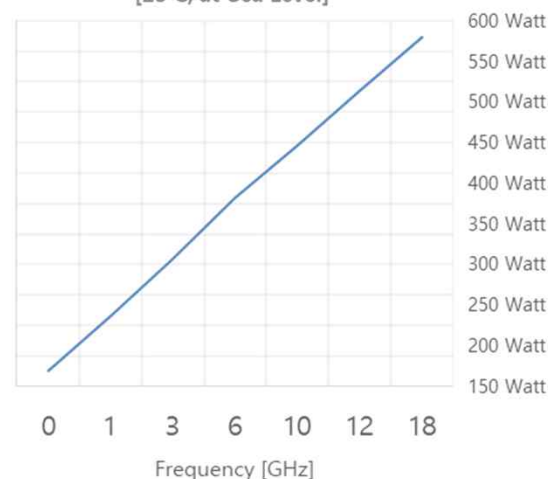
Center Conductor



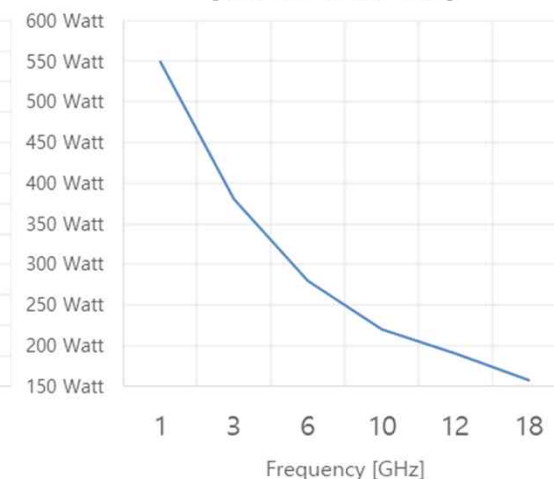
Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 18 GHz
Temperature	-50 °C~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	74
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	6° max. @18GHz
Loss Stability vs. Flexure	Δ 0.1dB to 18GHz
Available Connector	SMA(male, female) / N(male, female)

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W02K18G (for ~18GHz)



Cable Construction

Part	Material	Diameter
1 Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.287[mm] Φ 19 / 0.0113 [inch]
2 Dielectric	PTFE (air-dielectric)	
3 1 st / 2 nd Shield	Silver Plated Tape & Wire	
4 Jacket	Rugged Synthetic Fiber	Φ 6.80 \pm 0.1 [mm] Φ 0.265 \pm 0.003 [inch]

Center Conductor



PTFE (air-dielectric)

1st Shield (Mylar Tape)

2nd Shield (Round wire)

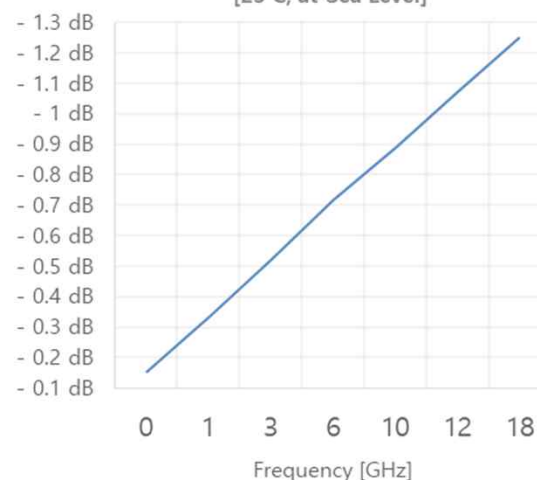
Rugged Synthetic Fiber

High Temp Resin

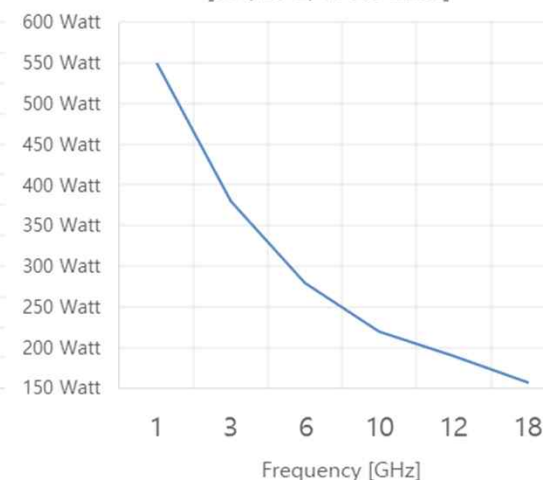
Electrical & Mechanical Specification

Characteristic Impedance	50 \pm 1 Ω
Operating Frequency	DC to 18 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	74
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	6° max. @18GHz
Loss Stability vs. Flexure	Δ 0.1dB to 18GHz
Available Connector	SMA(male, female) / N(male, female)

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
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W02S26G (for ~26.5GHz)



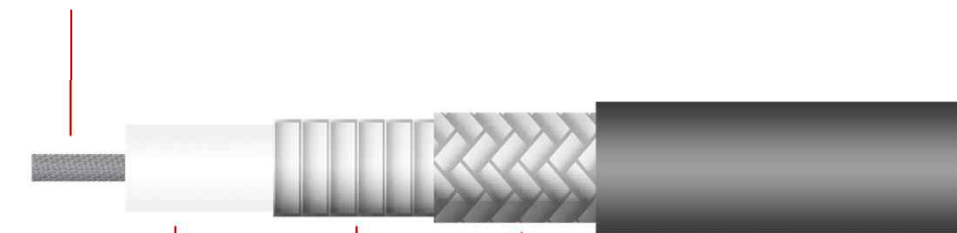
Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.287[mm] Φ 19 / 0.0113 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	High Temperature Resin	
			Φ 6.30 ±0.1 [mm] Φ 0.244 ±0.003 [inch]

Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 26.5 GHz
Temperature	-50 °C~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	74
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	6° max. @26.5GHz
Loss Stability vs. Flexure	Δ 0.1dB to 26.5GHz
Available Connector	3.5mm(male, female) / N(male, female)

Center Conductor



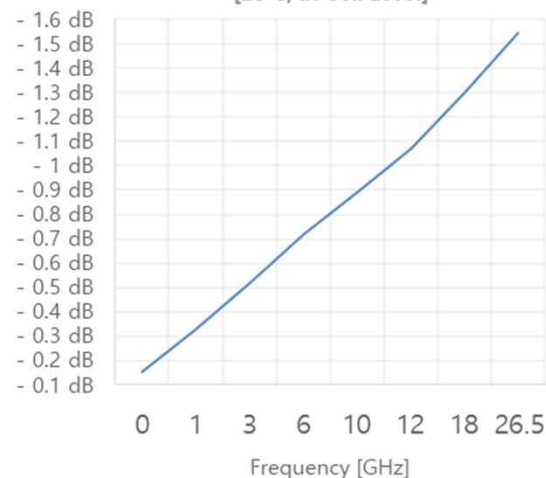
PTFE (air-dielectric)

1stShield (Silver Plated Tape)

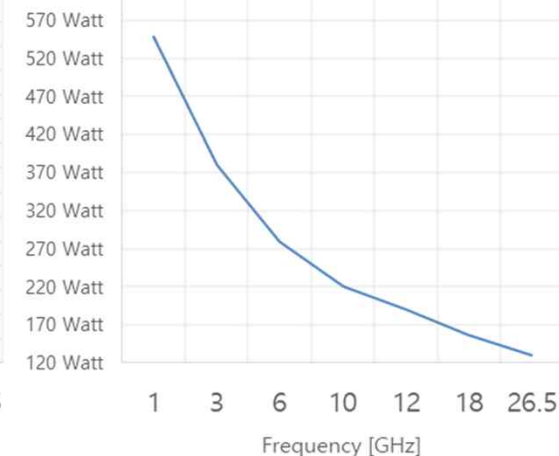
2ndShield (Round wire)

High Temperature Resin

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W02K26G (for ~26.5GHz)



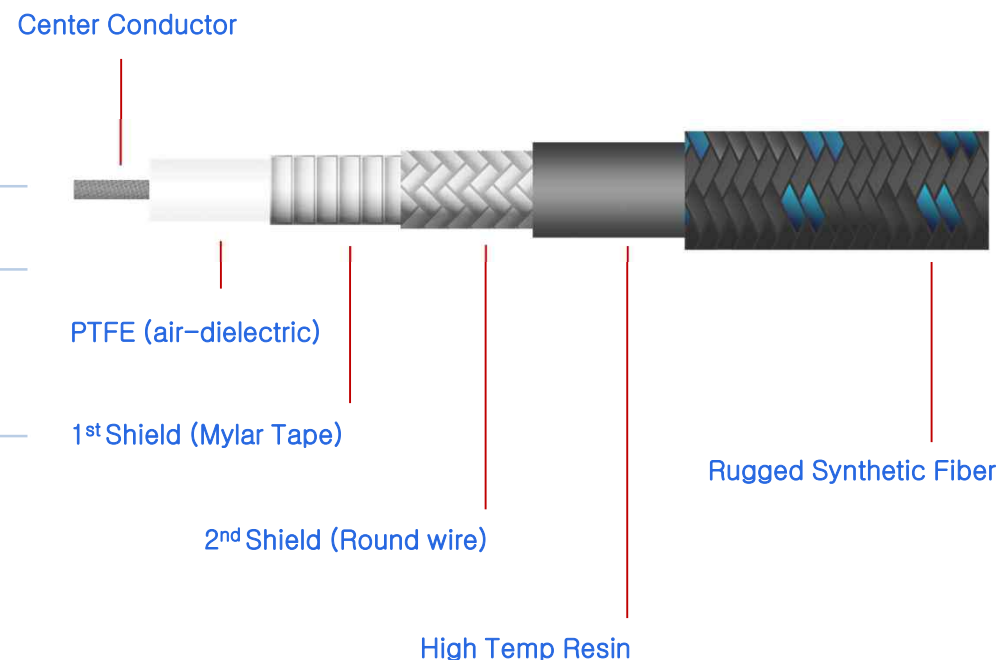
Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.287[mm] Φ 19 / 0.0113 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	Rugged Synthetic Fiber	Φ 6.80 \pm 0.1 [mm] Φ 0.265 \pm 0.003 [inch]

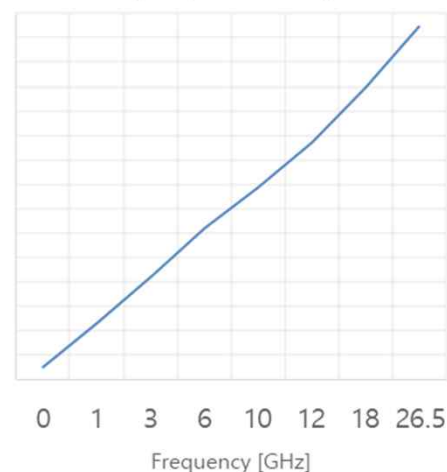
Electrical & Mechanical Specification

Characteristic Impedance	50 \pm 1 Ω
Operating Frequency	DC to 26.5 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	74
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	6° max. @26.5GHz
Loss Stability vs. Flexure	Δ 0.1dB to 26.5GHz
Available Connector	3.5mm(male, female) / N(male, female)

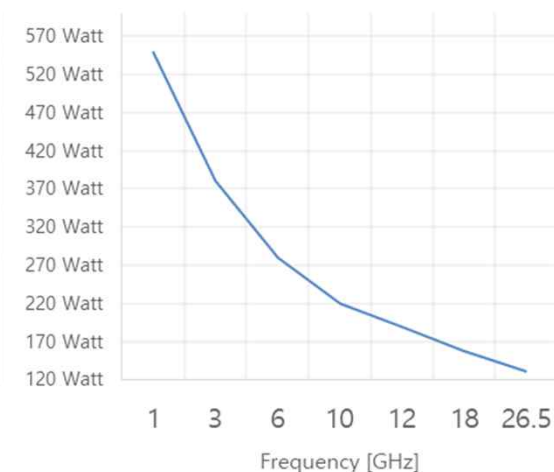
- 1.6 dB
- 1.5 dB
- 1.4 dB
- 1.3 dB
- 1.2 dB
- 1.1 dB
- 1 dB
- 0.9 dB
- 0.8 dB
- 0.7 dB
- 0.6 dB
- 0.5 dB
- 0.4 dB
- 0.3 dB
- 0.2 dB
- 0.1 dB



Insertion Loss per meter
[25 $^{\circ}$ C, at Sea Level]



Average Power Rating
[CW, 25 $^{\circ}$ C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W03S33G (for ~33GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.225[mm] Φ 19 / 0.0088 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	High Temperature Resin	Φ 5.30 \pm 0.1 [mm] Φ 0.204 \pm 0.003 [inch]

Electrical & Mechanical Specification

Characteristic Impedance	50 \pm 1 Ω
Operating Frequency	DC to 33 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	54
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	10° max. @33GHz
Loss Stability vs. Flexure	Δ 0.1dB to 33GHz
Available Connector	SMA (Development SMA for 33GHz)

Center Conductor



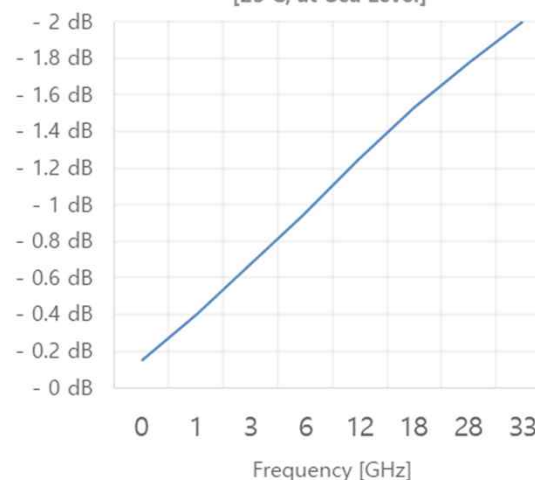
PTFE (air-dielectric)

1st Shield (Silver Plated Tape)

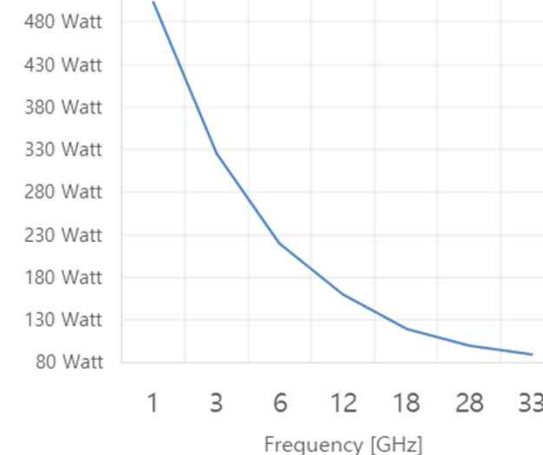
2nd Shield (Round wire)

High Temperature Resin

Insertion Loss per meter
[25 $^{\circ}$ C, at Sea Level]



Average Power Rating
[CW, 25 $^{\circ}$ C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W03K33G (for ~33GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.225[mm] Φ 19 / 0.0088 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	Rugged Synthetic Fiber	Φ 5.90 \pm 0.1 [mm] Φ 0.230 \pm 0.003 [inch]

Electrical & Mechanical Specification

Characteristic Impedance	50 \pm 1 Ω
Operating Frequency	DC to 33 GHz
Temperature	-50 $^{\circ}$ C ~ +135 $^{\circ}$ C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	54
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	10° max. @33GHz
Loss Stability vs. Flexure	Δ 0.1dB to 33GHz
Available Connector	SMA (Development SMA for 33GHz)

Center Conductor

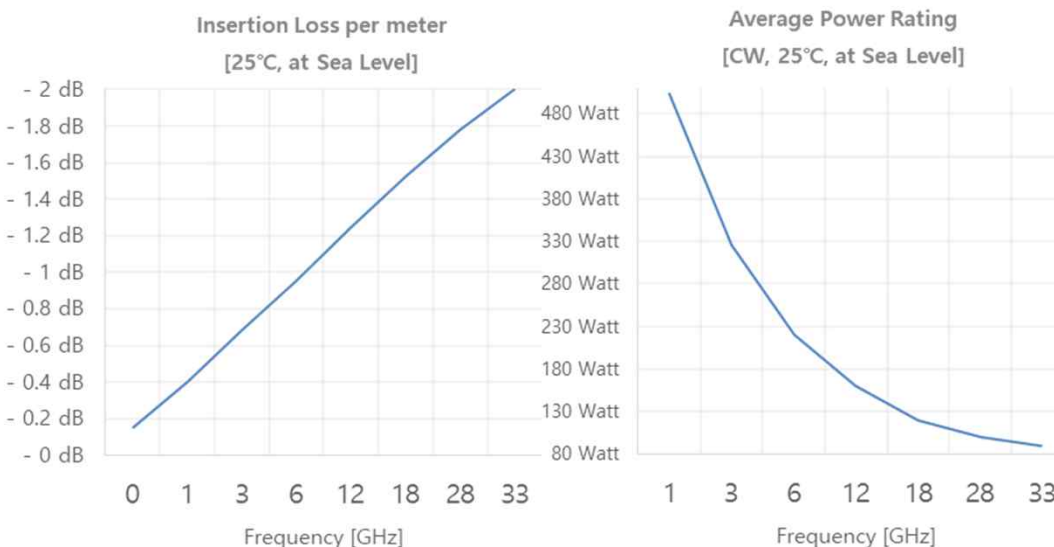
PTFE (air-dielectric)

1st Shield (Mylar Tape)

2nd Shield (Round wire)

High Temp Resin

Rugged Synthetic Fiber



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
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W04S40G (for ~40GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.18[mm] Φ 19 / 0.0070 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	High Temperature Resin	Φ 5.00 ±0.1 [mm] Φ 0.190 ±0.003 [inch]

Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 40 GHz
Temperature	-50 °C~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	45
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	12° max. @40GHz
Loss Stability vs. Flexure	Δ 0.1dB to 40GHz
Available Connector	2.92mm K Type (male, female), 2.4mm (male, female)

Center Conductor

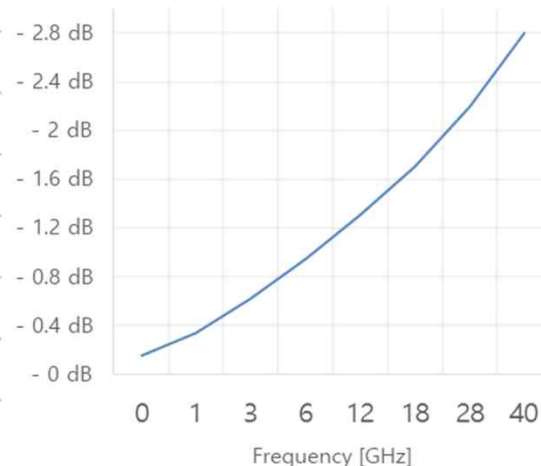
PTFE (air-dielectric)

1st Shield (Silver Plated Tape)

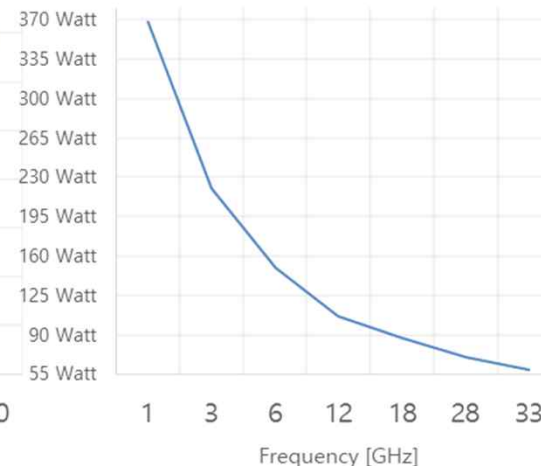
2nd Shield (Round wire)

High Temperature Resin

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]



04 NEW PRODUCT (High Frequency Cable)

RF and Microwave Technology
Best your Reliable Partner

W04K40G (for ~40GHz)



Cable Construction

	Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.18[mm] Φ 19 / 0.0070 [inch]
2	Dielectric	PTFE (air-dielectric)	
3	1 st / 2 nd Shield	Silver Plated Tape & Wire	
4	Jacket	High Temperature Resin	Φ 5.00 ±0.1 [mm] Φ 0.190 ±0.003 [inch]

Electrical & Mechanical Specification

Characteristic Impedance	50±1 Ω
Operating Frequency	DC to 40 GHz
Temperature	-50 °C~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	49
Shielding Effectiveness	< -100 dB
Phase Stability vs. Flexure	12' max. @40GHz
Loss Stability vs. Flexure	Δ 0.1dB to 40GHz
Available Connector	2.92mm K Type (male, female), 2.4mm (male, female)

Center Conductor

PTFE (air-dielectric)

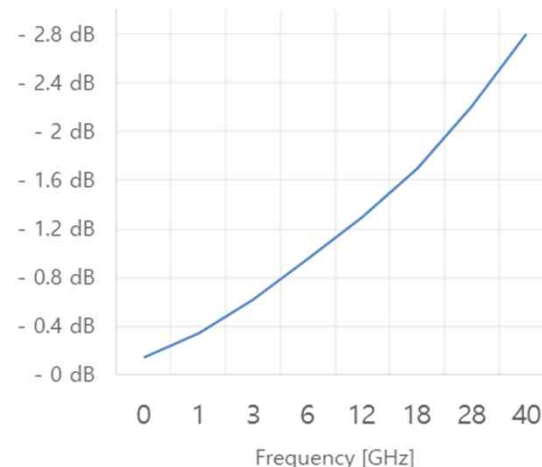
1st Shield (Mylar Tape)

2nd Shield (Round wire)

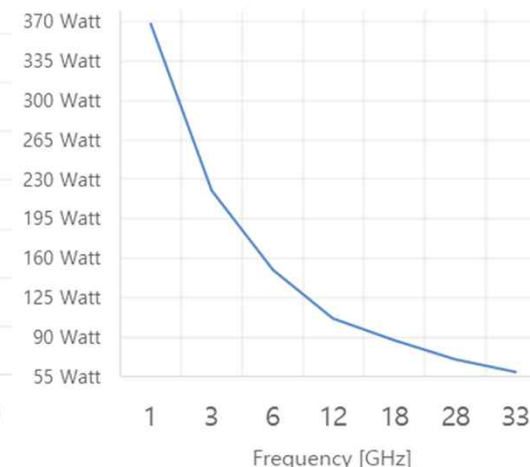
High Temp Resin

Rugged Synthetic Fiber

Insertion Loss per meter
[25°C, at Sea Level]



Average Power Rating
[CW, 25°C, at Sea Level]





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WEVERCOMM**

THANK YOU

2021. 03.

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