WILSONPRO™

www.**wilsonpro**.com
www.wilsonelectronics.com/asiapacific

Product Catalogue (Asia-Pacific)

MOBILE SIGNAL COVERAGE SOLUTIONS
FOR HOME/OFFICE AND VEHICLES

About Wilson Electronics

ENHANCING IN-BUILDING AND IN-VEHICLE CONNECTIVITY

Call, text, share, and connect with the peace of mind that your world is always within reach from virtually anywhere and at any time.

From your home to your workplace and even on the go, Wilson Electronics solutions improve the way you experience everyday wireless communications by providing stronger, more reliable cellular signals while simultaneously enhancing your ability to receive and transmit data. At Wilson Electronics, we provide the industry's most advanced line of wideband passive repeater solutions that work with cellular networks and carriers worldwide.

Best-in-class wideband repeaters

As a leader in wireless communications, everything we do is about making your cellular signal more reliable inside buildings and vehicles. We pioneer products that provide unparalleled cellular connectivity solutions for your car, home and workplace. We hold one of the broadest patent portfolios in our industry.

Globally tested and approved

We approach everything we do with a global perspective and insatiable curiosity. We're proud to say that all WilsonPro products are designed, assembled, and tested at the company's U.S. facilities and are ETSI test certified for RF and electrical safety. WilsonPro signal repeaters work transparently on the network, boosting your cell signal and enabling consistent, seamless communication experiences across all carriers.

Why Might a Building Have Poor Cell Reception?

There are two primary reasons for mobile phone reception problems: distance and obstruction. If your phone is too far from the cell tower or base transceiver station (BTS), then the signal will be weak or even undetectable. When it comes to obstructions, virtually any obstacle can be a hindrance to cell signal.

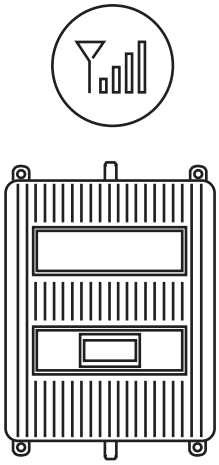
There are several common culprits:

TERRAIN —
Any terrain obstructions between the device and the cell tower (hills, mountains, ridges, bluffs, etc.) will block cell signals.

MAN-MADE OBJECTS —
In urban settings, buildings are the main obstructions to cell signals. Radio frequency (RF) signals can't easily pass through metal, brick, concrete or even glass. Almost any building can have reception problems indoors. Even if you are standing outside and surrounded by tall buildings, cell reception can be spotty.

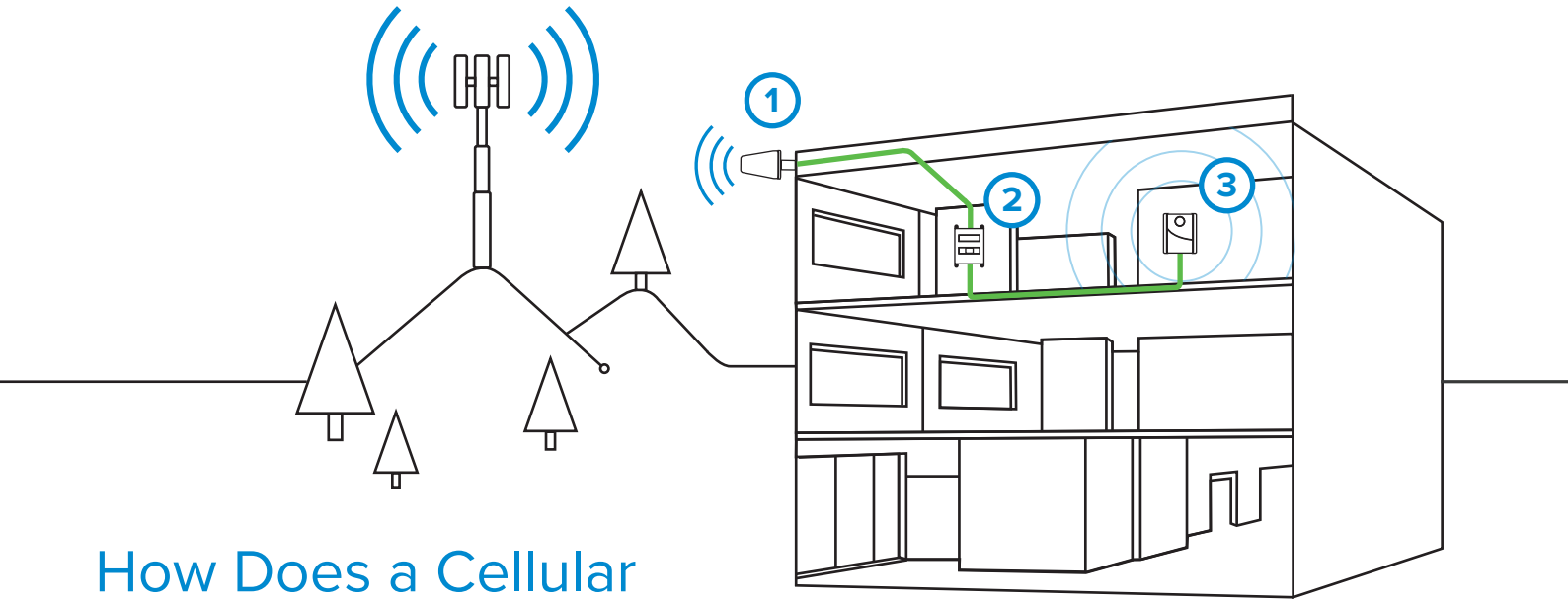
VEHICLES —
Vehicle materials like metal and safety glass do an excellent job of blocking RF signals. When you're inside a vehicle, it may be hard to get a good signal.

VEGETATION —
It may be hard to believe, but trees, shrubbery, and almost any kind of foliage can absorb and weaken cell signals.



What is a Mobile Phone Signal Repeater?

A mobile signal repeater amplifies voice and data signals to reduce dropped calls and lost connections. The result is stronger, more reliable signal, clearer voice quality and faster data uploads and downloads. There are consumer cell phone repeaters for vehicles and the home, and commercial-grade amplifiers for larger indoor spaces like office buildings, hospitals, schools, and warehouses.



How Does a Cellular Repeater Work?

A mobile phone is essentially a two-way radio with a modern user interface. Your mobile phone communicates with a cell tower by means of RF signals.

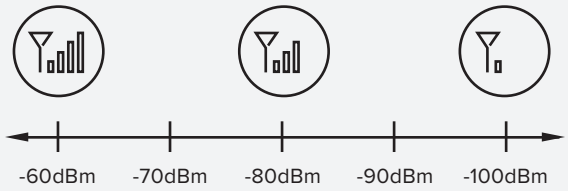
Cellular signal repeaters work to intensify the signals from those cell towers and improve cellular and data reception in a commercial or residential space.

Here's how:

1. Bidirectional repeaters detect and collect very faint cell signals—much fainter than your phone can detect.
   They help those faint signal bypass various obstructions (like hills, trees, and buildings).

2. The repeaters amplify faint signals to a usable level.

3. Then, the amplifiers broadcast the boosted signal inside a home, vehicle, office, or a commercial building, allowing them to be picked up by your phone or other cellular device.



DECIBELS AS A MEASURE OF SIGNAL STRENGTH

Decibel, abbreviated as dBm, is typically expressed as a negative number, -88 for example. **The closer to zero the reading is, the stronger the cell phone signal.** For example, -79 dBm is a stronger signal than -88 dBm. A reading of -50 is one of the strongest signals you will see, and a reading of -100 dBm indicates a fairly weak signal. If the signal gets much weaker than that, you may not have any service.

Repeater Solutions

WILSONPRO™

Enterprise 5143

SKU: 510007

FEATURES

- Three outdoor antenna ports to target multiple operator towers.
- Four independently controlled indoor antenna ports built in.
- Wired access via ethernet port for remote monitoring.
- Real time performance, configuration changes, and direct monitoring.
- Up to 21 dBm in uplink power and 18 dBm in downlink power.
- XDR technology to virtually eliminate shutdown or signal loss.
- 4.3-inch LCD touchscreen for an enhanced user-experience.
- Concurrently enhances voice and data signals for all supported operators.

About

The **WIlsonPro Enterprise 5143** is a commercial-grade, in-building cellular repeater that represents the latest in cell signal amplification technology—including a revolutionary industry-first, three outdoor-antenna-port configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 8,000 m2.*

Based on user need or preference, the Enterprise 5143 can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired access via LAN port, connected directly to the internet or via an external LTE modem, the Enterprise 5143 provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier.

The Enterprise 5143 generates up to 21 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 18 dBm in downlink power, it’s also one of the most powerful amplifiers in its price range. With all four indoor-antenna ports equipped with up to 18 dBm downlink power of their own, each of the Enterprise 5143’s four indoor antennas can effectively broadcast signal.

*Depending on outside signal conditions.

Includes

Enterprise 5143 Amplifier

AC Power Cable

Specifications

SKU	510007	
FREQUENCIES Provides wideband, in-building cell signal amplification for FDD LTE bands	Band 1	2100 MHz
	Band 3	1800 MHz
	Band 7	2600 MHz
	Band 8	900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	18 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 in	
AMPLIFIER WEIGHT	16.930 lbs	

Technical Specifications

	ENTERPRISE 5143
SKU	510007
Model Number	510007
Connectors	N-Connectors
Antenna Impedance	50 Ohms
Frequency	1920-1980 MHz, 2110-2170 MHz, 1710-1785 MHz, 1805-1880 MHZ, 2500-2570 MHz, 2620-2690 MHz, 880-915 MHz, 925-960 MHz
Power output (Uplink – per band)	21.0 dBm
Power output (Downlink – per band)	18.0 dBm
Noise Figure	5 dB nominal
Isolation	> 90 dB
Power Requirements	110 - 240 V AC, 50 - 60 Hz, 30 W

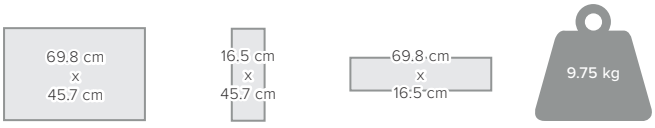
Each cellular repeater is individually tested and factory set to ensure ETSI compliance. The repeater cannot be adjusted without factory reprogramming or disabling the hardware. The repeater will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the repeater is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the repeater detects an oscillation, the repeater will automatically turn the power off on that band. For a detected oscillation the repeater will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the repeater has been manually restarted by momentarily removing power from the repeater. Noise power, gain, and linearity are maintained by the repeater's microprocessor.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

DESIGNED AND ASSEMBLED IN THE USA

Package Dimensions

69.8 L x 45.7 H x 16.5 W



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

MASTER CARTON: None

FOR PARTNER'S USE

510007 ENTERPRISE 5143 SS US 112320

Support

3 Year Warranty from Purchase

Website: www.wilsonelectronics.com/asiapacific
Email: apsupport@wilsonelectronics.com

UPC

510007

8 10005 96239 1

5100-6

SKU: 510006

FEATURES

- Enhances 4G LTE & 3G signals for large homes and offices
- Coverage area up to 1,000 m2
- For multiple devices and users
- Works on ALL cellular devices with ALL carriers simultaneously
- Enhances talk, text, and high-speed 4G LTE internet

Kit Includes

WilsonPro 5200-6 Frequency Optimizer

Power Supply (2D9116)

About

The WilsonPro 5100-6 Frequency Optimizer is a powerful 4G in-building signal enhancer. WilsonPro 5100-6 is professional grade, allowing users to get better voice and data with fewer dropped calls, improved voice quality, faster uploads and downloads. This optimizer enhances 4G LTE and 3G signals for buildings up to 1,000 m2. All optimizers come with a 1-year warranty.

Specifications

MODEL NUMBE R	51000 6	
FREQUENCIE S	Band 1	2100 MH z
	Band 3	1800 MH z
	Band 8	900 MHz
MAX GAIN	74 dB (B1) / 74dB (B3) / 66dB (B8)	
IMPED ANCE	50 Oh m	
POWER	5.5V DC, 1.5 A	
CONNEC TORS	N-Female	
NOISE FIGURE	5dB nomina l	
DIMENSIONS	8.75 x 6.375 x 1.5 in / 22 x 16 x 3.8 c m	

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Technical Specifications

510006	Units		2100MHz Band (Band 1)		1800MHz Band (Band 3)		900MHz Band (Band 8)	
			Uplink	Downlink	Uplink	Downlink	Uplink	Downlink
	MHz	Max	1980	2170	1785	1880	915	960
		Min	1920	2110	1710	1805	880	925
Gain at maximum setting	dB	Max	85	85	85	85	80	80
		Min	60	60	60	60	55	55
Gain at nominal setting	dB	Nominal	74	74	74	74	66	66
Gain at minimum setting	dB	Max	30	30	30	30	25	25
		Min	0	0	0	0	-5	-5
Gain Slope	dB	Max pk to pk	16	16	20	20	16	16
Down Link Output Power at Max setting	dBm	Max	-	25	-	25	-	25
		Min	-	-5	-	-5	-	-5
Up Link Output Power at Max setting	dBm	Max	30	-	30	-	30	-
		Min	0	-	0	-	0	-
Connector Types	-	Uplink	N female 50 Ohm					
		Downlink	N female 50 Ohm					
DC Power Requirement	VDC	Max	5.5					
		Min	5					
Current Draw at 5.5V	VDC	Max	4					
Power Supply Connector Type	-		2.5mm					
Dimension	cm		22 x 16 x 3.8					
Weight	kg		1.55					

Package Dimensions

9.25 L x 9.75 W x 2.25 H

FRONT SIDE TOP/BOTTOM WEIGHT

3 Year Warranty from Purchase

FOR PARTNER'S USE

850

SKU: 810005

FEATURES

- Improves voice and data signals in buildings
- Works with virtually all smartphones and cellular modems
- Self-optimizing design minimizes installation time
- Supports Band 5 / 824-894 MHz
- Digital Display to view Automatic Gain Control

Kit Includes

WilsonPro 850™

Power Supply (859116)

About

WilsonPro brings you seamless, uninterrupted cellular connectivity in your home or workspace. Your cell phone is an essential part of your life. You depend on it to stay connected to everything important - family, friends, work.

The WilsonPro 850™ cellular signal repeater is a simple, effective solution to maintain continuous communication for all cellular-enabled devices – smartphones, tablets, etc - in your home or workspace.

The WilsonPro 850™ repeater is designed with advanced internal programming which allows it to automatically adjust itself for a variety of conditions and still boost weak signals.

Specifications

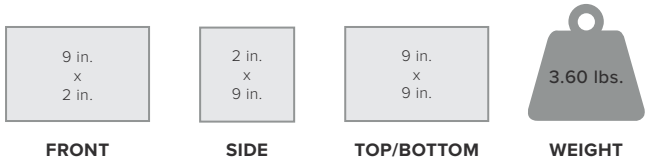
MODEL NUMBER	510005	
FREQUENCY	Band 5	824-894 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	12 V / 3 A	
CONNECTORS	N-Female	
DIMENSIONS	152.4 mm x 222.25 mm x 38.1 mm	
WEIGHT	1.26 kg	

Technical Specifications

510005	Units		850 MHz - Band 5	
			Uplink	Downlink
Frequency Band	MHz	Max	849	894
		Min	824	869
Gain with no AGC active	dB	Max	72.6	72.6
		Nominal	71.5	72.1
		Min	69.6	69.6
Gain Slope	dB	Max pk to pk	16	16
Down Link Output Power	dBm	Max	-	22
		Min	-	20
Up Link Output Power	dBm	Max	28	-
		Min	26	-
RF Connector Types		Outside	N Female 50 Ohm	
		Inside	N Female 50 Ohm	
DC Power Supply	Supply Voltage	Max		12V DC
		Min		4.7V DC
	Current Draw	Max		3.0 A
	Connector Type	Coaxial		2.5mm diameter
Physical Spec	Dimensions (H x W x D)		3.81 x 15.24 x 22.23 cm	
	Weight		1.26 kg	
All specs are for room temperature				

Package Dimensions

9 L x 9 W x 2 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

3 Year Warranty from Purchase

FOR PARTNER'S USE

5100-4G

SKU: 510004

FEATURES

- Improves voice and data signals in buildings
- Works with virtually all smartphones and cellular modems
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 4-Band All Carrier Cell Phone Signal Repeater
- Supports all standards : 2G, 3G, 4G

About

WilsonPro brings you seamless, uninterrupted cellular connectivity in your home or workspace. Your cell phone is an essential part of your life. You depend on it to stay connected to everything important - family, friends, work.

The WilsonPro 5100-4G™ cellular signal repeater is a simple, effective solution to maintain continuous communication for all cellular-enabled devices – smartphones, tablets, etc - in your home or workspace.

WilsonPro amplifies signals to improve coverage no matter your cellular carrier. The WilsonPro 5100-4G™ comfortably handles multiple simultaneous connections across multiple carriers, providing effortless voice and data communications for all users.

Amplifier unit only, for customised solutions by qualified WilsonPro installers.

Kit Includes

WilsonPro 5100-4G™

Power Supply (859116)

Specifications

MODEL NUMBER	510004	
FREQUENCIES	Band 1	2100 MHz
	Band 3	1800 MHz
	Band 7	2600 MHz
	Band 8	900 MHz
MAX GAIN	70 dB	
POWER REQUIREMENTS	5V DC, 1.5A	
CONNECTORS	N-Female	
DIMENSIONS	16.51 cm x 22.23 cm x 4.14 cm	
WEIGHT	1.18 kg	

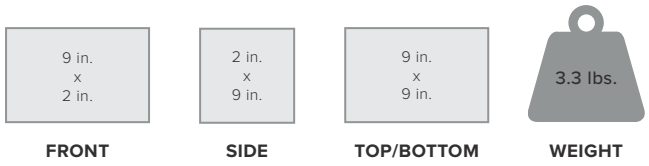
WILSONPRO™

Technical Specifications

510004	Units		2100 MHz - Band 1		1800 MHz - Band 3		2600 MHz - Band 7		900 MHz - Band 8	
			Uplink	Downlink	Uplink	Downlink	Uplink	Downlink	Uplink	Downlink
Frequency band	MHz	Max	1980	2170	1785	1880	2570	2690	915	960
		Min	1920	2110	1710	1805	2500	2620	880	925
Gain at maximum settings	dB	Max	85	85	85	85	80	80	80	80
		Min	60	60	60	60	55	55	55	55
Gain at nominal settings	dB	Nominal	74	74	74	74	69	69	66	66
PowerGain at minimum settings	dB	Max	30	30	30	30	25	25	25	25
		Min	0	0	0	0	-5	-5	-5	-5
Gain Slope	dB	Max pk to pk	16	16	20	20	16	16	16	16
Down link output power at max settings	dBm	Max	-	25	-	25	-	25	-	25
		Min	-	-5	-	-5	-	-5	-	-5
Up link output power at max settings	dBm	Max	30	-	30	-	30	-	30	-
		Min	0	-	0	-	0	-	0	-
Connector Types	-	Uplink	N female 50 Ohm							
		Downlink	N female 50 Ohm							
DC Power Requirements	VDC	Max	5.5							
		Min	5							
Current Draw at 5.5V	VDC	Max	4							
Power supply connector type	-		2.5 mm							
Dimensions	cm		16.51 cm x 22.23 cm x 4.14 cm							
Weight	kg		1.18 kg							

Package Dimensions

9 L x 9 W x 2 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

3 Year Warranty from Purchase

FOR PARTNER'S USE

5100-3

SKU: 510003

FEATURES

- Improves voice & data signals inside buildings and vehicles
- Works with virtually all smartphones and cellular modems
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 3-Band All Carrier Cell Phone Signal Repeater
- Supports all standards : 2G, 3G, 4G

4G SUPPORTS LTE ON 1800MHz

UP TO 5,000 sq. ft. COVERAGE

UP TO +70 dB GAIN

MULTI-USER WIRELESS REPEATER

About

This repeater helps you get better voice and data with fewer dropped calls, improved voice quality, faster uploads and downloads. The 5100-3 boosts cell signals up to 32x, enhances 3G voice, and data for buildings up to 5,000 sq ft.

Amplifier unit only, for customised solutions by qualified WilsonPro installers. The 5100-3 comes with a 3-year warranty meaning it works or your money back.

Includes


5100-3


Power Supply (859912)

Specifications

MODEL NUMBER	510003	
FREQUENCIES	Band 1	2100 MHz
	Band 3	1800 MHz
	Band 8	900 MHz
MAX GAIN	70 dB	
POWER REQUIREMENTS	5V DC, 1.5A	
CONNECTORS	F-Female	
DIMENSIONS	17.1 x 10.8 x 3.17 cm	
WEIGHT	.544kg	

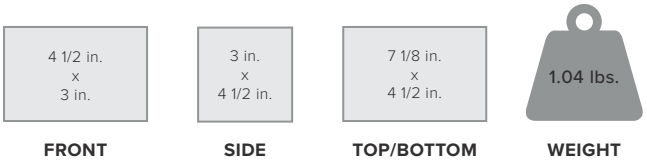
WILSONPRO™

Technical Specifications

510003		2100 MHz - Band 1		1800 MHz - Band 3		900 MHz - Band 8	
		Uplink	Downlink	Uplink	Downlink	Uplink	Downlink
Frequency Band	Max	1980 MHz	2170 MHz	1785 MHz	1880 MHz	915 MHz	960 MHz
	Min	1920 MHz	2110 MHz	1710 MHz	1805 MHz	880 MHz	925 MHz
Gain with no AGC active	Max	74 dB	75 dB	71 dB	72 dB	80 dB	82 dB
	Nominal	65 dB	65 dB	63 dB	63 dB	67 dB	67 dB
	Min	50 dB	51 dB	47 dB	48 dB	56 dB	58 dB
Gain Slope	Max pk to pk	16 dB	16 dB	20 dB	20 dB	16 dB	16 dB
Down Link Output Power	Max	-	15 dBm	-	17 dBm	-	20 dBm
	Min	-	-15 dBm	-	-13 dBm	-	-10 dBm
Up Link Output Power	Max	30 dBm	-	30 dBm	-	30 dBm	-
	Min	0 dBm	-	0 dBm	-	0 dBm	-
RF Connector Types	Ouside	F Female 75 Ohm					
	Inside	F Female 75 Ohm					
DC Power Supply	Supply Voltage	Max	5.5 V DC				
		Min	4.7 V DC				
	Current Draw	Max	2.5 A				
	Connector Type	Coaxial	2.5 mm diameter				
Physical Spec	Dimension (HxWxD)		16.5 x 10.7 x 4.4 cm				
	Weight		0.58 kg				
All specs are for room temperature							

Package Dimensions

7 1/8 L x 4 1/2 W x 3 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

3 Year Warranty from Purchase

FOR PARTNER'S USE

WILSONPRO™

Drive 3G-M+ Signal Optimizer

SKU: 515551

FEATURES

Improves 3G and 4G signals for vehicles or IOT applications

- Supports multiple users or IOT devices
- Works simultaneously with different telco networks
- Enhances talk, text and data speeds

4G SUPPORTS LTE ON 1800MHz

UP TO +60 dB GAIN

MULTI-USER WIRELESS REPEATER

Kit Includes


Signal Optimizer


Mini-Magnet Mount Antenna (301126)


4G Slim Low-Profile Antenna (314401)


Power Supply (859116)


Power Supply (859111)

About

The Wilson Electronics **Drive 3G-M+ Signal Optimizer** keeps all your cellular devices - including smartphones, tablets and laptops - seamlessly connected wherever you go. The Signal Optimizer extends signal range, making cellular signal more reliable and data speeds more consistent. This allows for faster download speeds, fewer dropped calls, and up to 2 hours of additional talk time. The Wilson Electronics Signal Optimizer works with most Asia-Pacific carrier bands, protects the carrier networks with patented technologies, with zero radio frequency interference.

Each Signal Optimizer repeater kit comes with everything needed for a complete DIY installation. All WilsonPro devices come with a 3-year warranty, meaning the device works or your money back.

Specifications

MODEL NUMBER	515551	
FREQUENCIES	Band 1	2100 MHz
	Band 3	1800 MHz
	Band 8	900 MHz
MAX GAIN	60 dB	
POWER REQUIREMENTS	6.0V DC, 1.5 A	
CONNECTORS	SMA Female	
DIMENSIONS	33.02 x 17.78 x 5.08 cm	
WEIGHT	0.58 kg	

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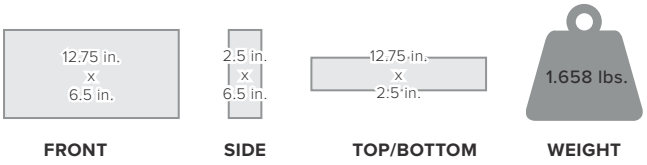
Technical Specifications

515551		2100 MHz - Band 1		1800 MHz - Band 3		900 MHz - Band 8	
		Uplink	Downlink	Uplink	Downlink	Uplink	Downlink
Frequency Band	Max	1980 MHz	2170 MHz	1785 MHz	1880 MHz	915 MHz	960 MHz
	Min	1920 MHz	2110 MHz	1710 MHz	1805 MHz	880 MHz	925 MHz
Gain with no AGC active	Max	60 dB	60 dB	60 dB	60 dB	60 dB	60 dB
	Nominal	50 dB	50 dB	50 dB	50 dB	50 dB	50 dB
	Min	35 dB	35 dB	35 dB	35 dB	35 dB	35 dB
Gain Slope	Max pk to pk	16 dB	16 dB	16 dB	16 dB	16 dB	16 dB
Down Link Output Power	Max	-	15 dBm	-	15 dBm	-	15 dBm
	Min	-	-15 dBm	-	-15 dBm	-	-15 dBm
Up Link Output Power	Max	30 dBm	-	30 dBm	-	30 dBm	-
	Min	0 dBm	-	0 dBm	-	0 dBm	-
RF Connector Types	Ouside	SMA Female 50 Ohm					
	Inside	SMA Female 50 Ohm					
DC Power Supply	Supply Voltage	Max	6.0 V DC				
		Min	4.5 V DC				
	Current Draw	Max	1.5 A				
	Connector Type	Coaxial	2.5 mm diameter				
Physical Spec	Dimension (HxWxD)		16.5 x 10.7 x 4.4 cm				
	Weight		0.58 kg				
All specs are for room temperature							

Package Dimensions

12.75 L x 6.5 W x 2.5 H



FRONT **SIDE** **TOP/BOTTOM** **WEIGHT**

3 Year Warranty from Purchase

FOR PARTNER'S USE

Warranty Overview

WilsonPro 3 Year Warranty

WilsonPro Signal Repeaters are warranted for three (3) year against defects in workmanship and/or materials.

Faulty amplifier units must be returned directly to the manufacturer with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by WilsonPro. WilsonPro shall, at its option replace the product. WilsonPro will pay for delivery of the replaced product. Please contact customer support for an RMA number.

This warranty does not apply to any Signal Repeaters determined by WilsonPro to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Customer service, support and returns are handled by the local country distributor.

Antennas & Accessories

High-Gain Antennas

Rugged, High-Gain Antennas Deliver Powerful Performance

Professional drivers and marine enthusiasts demand top performance from their equipment. Wilson provides just that with its Trucker and Marine antennas. Available in two models for alternative installations. These 4G antennas offer the highest allowable gain.

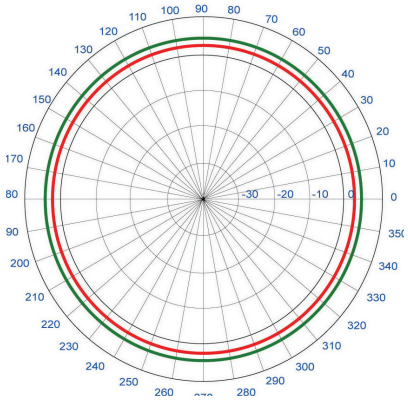
Engineered specifically for truck and marine applications, these popular antennas can also be used for fixed installation on buildings.

304415
4G-OTR Trucker Spring Mount Antenna
19 in. Ruggedized for heavy-duty vehicle, RV and trucking applications.

304420
4G Marine
9.8-inch High gain, compact, ruggerized for marine applications. Fits standard marine mounts

Features

- Mobile, marine and building use
- No ground plane required. Built-in ground plane allows for use on any surface - metal, fiberglass, wood, etc.
- Mounting options available for any application



Signal Patterns
H - Plane @ 850 MHz
H - Plane @ 1920 MHz

SPECIFICATIONS

PART NUMBER	304415	304420
Frequency Range	Refer to table on page 20	
Impedance	50 ohms	
Antenna Gain	Refer to table on page 20	
Signal Pattern	Omni	
Polarization	Vertical	
Ground Plane	Built-In Ground Plane	
Connector	SMA MALE	
Material	Radiator: Aluminum, High Strength ABS Mast: Stainless Steel, Fiberglass Epoxy	UV Resistant PVC
Coax Cable	RG58 - 14 feet / 4.3 meters	20' White RG-58 N-male to SMA-male
Height	19 inches / 49 cm	9.8" x 250 mm
Mount	Standard CB 3/8-inch x 24 Thread	Standard Marine Mount 1" x 14 thread

General Mobile External Antennas

Stay connected on the road with Wilson Electronics mobile antennas

Designed for use with our mobile signal repeaters, Wilson Electronics wide range of mobile antennas offers top performance and multiple mounting options. Our best-selling magnet-mount antennas install in seconds and are transferable between vehicles.

301103 • 311125 • 311128 • 311703
Magnet-Mount Antenna (3G)

301113 • 301126
Mini Magnet-Mount Antenna (4G)

Features

- Perfect for cars, vans and light trucks
- Mobile and indoor use

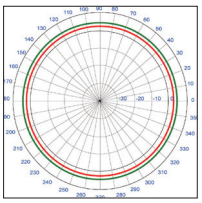
SPECIFICATIONS

	Magnet-Mount Antennas				Mini Magnet-Mount Antennas	
PART NUMBER	301103	311125	311128	311703	301113	301126
Frequency Range (MHz)	Refer to table on page 20					
Impedance	50 ohms					
Antenna Gain	Refer to table on page 20					
Signal Pattern	Omni					
Polarization	Vertical					
Ground Plane	Metal ground plane required					
Connector	FME Female	SMA Male	TNC Male	SMA Male	FME Female	SMA Male
Material	Whip - Stainless Steel				Whip - Plastic Coated Steel Wire	
Coax Cable	RG174 - 12.5 feet					
Height	12.25 inches / 31.12 cm				4.175 inches / 10.60 cm	
Mount	Rare earth magnet				Rare earth magnet	

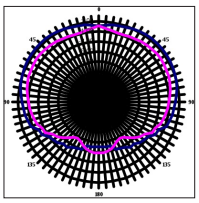
Low Profile & Ultra-Slim Antennas

Features

- Low profile antennas for discreet installation
- Includes mounting options



Signal Patterns
311106, 301152, 301149
Omni-directional when mounted vertically
H - Plane @ 850 MHz
H - Plane @ 1920 MHz



Signal Patterns
301211
H - Plane @ 806-894 MHz
H - Plane @ 1850-1990 MHz

314401
4G Slim Low-Profile Antenna

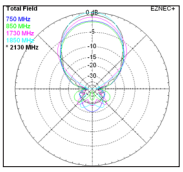
301211 / 311160
Desktop Antenna 50 Ohm

SPECIFICATIONS

PART NUMBER	314401	301211	311160
Frequency	Refer to table on page 20		
Impedance	50 ohms		
Antenna Gain	Refer to table on page 20		
Signal Pattern	Omni when mounted vertically	120° H Plane	120° H Plane
Polarization	Vertical		
Connector	SMA Male	SMA Male	SMA Female
Coax Cable	LMR100 - 10 ft / 3.05 m	RG174 - 5 ft / 1.524 m	RG174 - 3 in / 7.62 cm
Length	3.2 in / 8.1 cm	5.13 in / 13 cm	5.13 in / 13 cm
Width	1.4 in / 3.6 cm	1.56 in / 4 cm	1.56 in / 4 cm
Building Mount	Minimum 6 inches away from metal		

Building Antennas

Yagi Antennas - Durable, high-gain, directional antennas



314475 75 ohm
314411 50 ohm

Wide Band
Directional Antenna

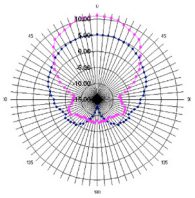
SPECIFICATIONS

	Log-Periodic	
PART NUMBER	314411	314475
Number of Elements	9	
Frequency		
Impedance	50 ohms	75 ohms
Antenna Gain		
Max Power	100 watts	
Signal Pattern	Directional	
Polarization	Vertical	
Connector	N-Female	F-Female
Material		
Length	11.42 inches / 29 centimeters	
Weight	3.31 lbs 1.5 Kg	
Mount	Mounts on pipe with 0.5 inch to 1.5 inch diameter	
Wind Surface Area	<465 cm2	
Brackets	Max OD 2 inches	

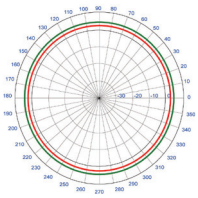
Building Antennas

Features

- Built-in ground plane
- Mounting hardware included
- For fixed installations



Signal Patterns
Panel Antennas when mounted vertically
H - Plane @ 806-894 MHz
H - Plane @ 1850-1990 MHz



Signal Patterns
Omni-directional when mounted vertically
H - Plane @ 850 MHz
H - Plane @ 1920 MHz

314406
314407

304412
304419

50 ohm & 75 ohm
311135 & 311155 wall mount
304451 & 304471 ceiling mount

314453
314473
weatherproof

304422
304423

Inside Antennas

Outside Antennas

SPECIFICATIONS

	Low-Profile Dome		Dome		Panel				Omni	
PART NUMBER	314406	314407	304412	304419	304451	304471 314473	311135 314453	311155	304423	304424
Frequency	Refer to table on page 20									
Impedance	50 ohms	50 ohms	50 ohms	75 ohms	50 ohms	75 ohms	50 ohms	75 ohms	75 ohms	50 ohms
Polarization	Vertical									
Antenna Gain	Refer to table on page 20									
Max Power	40 watts				50 watts				100 watts	
Beamwidth Hor. Plane	360°		360°		70°/60°				360°	
Beamwidth Ver. Plane	25°/90°	100°/130°	60°		50°/45°				60°	
VSWR	2:1		1.5:1		1.5:1				< 1.8	< 1.8
Connector	N-Female		N-Female	F-Female	N-Female	F-Female	N-Female	F-Female	F-Female	N-Female
Dimensions inches/cm	16.2 x 6.36 / 41.15 x 16.15	9.4 x 6.36 / 23.88 x 16.15	7.3 x 3.3 / 185 x 85		8.27 x 7.09 x 1.73 / 21 x 18 x 4.39				2.5 x 9.8 / 63 x 250	2.6 x 7.50 / 66 x 19
Ground Plane	N/A	N/A	Built-In Ground Plane							
Front to Back Ratio	N/A									

Antenna Frequency Specific Gain Chart (dBi)

		FREQUENCY IN MHz					
		700-800	824-894	880-960	1710-1880	1850-1990	2110-2170
MAGNET MOUNT ANTENNAS	301103	1.9	5.1	3.1	-4.0	6.1	2.3
	311125	1.9	5.1	3.1	-4.0	6.1	2.3
	311128	1.9	5.1	3.1	-4.0	6.1	2.3
	311703	-1.9	4.8	4.6	0.3	4.1	0.6
MINI MAGNET MOUNT ANTENNAS	301113	1.7	2.1	0.5	2.2	3.1	1.4
	301126	1.7	2.1	0.5	2.2	3.1	1.4
4G OTR ANTENNAS	304415	3	3	3	3	3	3
DESKTOP ANTENNAS	301211	-0.8	1.5	1.2	2.4	3.4	1.2
	311160	0.4	2.6	2.2	4.5	5.6	3.8
YAGI ANTENNAS	314411	7.3	8.1	7.4	9.2	10.6	10.4
	314475	7.3	8.1	7.4	9.2	10.6	10.4
DOME ANTENNAS	304412	2.0	2.0	2.0	4.0	4.0	4.0
	304419	2.0	2.0	2.0	4.0	4.0	4.0
MARINE ANTENNAS	304420	4.0	4.0	4.0	4.0	4.0	4.0
PANEL ANTENNAS	311135	5.2	4.4	4.2	10.1	10.6	8.2
	311155	5.2	4.4	4.2	10.1	10.6	8.2
	304451	5.2	4.4	4.2	10.1	10.6	8.2
	304471	5.2	4.4	4.2	10.1	10.6	8.2
	314453	5.2	4.4	4.2	10.1	10.6	8.2
	314473	5.2	4.4	4.2	10.1	10.6	8.2
4G OMNI BUILDING ANTENNAS	304424	2.0	2.0	2.0	4.0	4.0	4.0
	304421	2.0	2.0	2.0	4.0	4.0	4.0
4G OMNI PLUS BUILDING ANTENNAS	304422	2.0	2.0	2.0	5.0	5.0	5.0
	304423	2.0	2.0	2.0	5.0	5.0	5.0

Vehicle Antennas — External

Dual Band Mini Magnet Mount Antenna (4G)

301113

- Omni directional 700-2700 mhz
- 800/1900 MHz
- FME Female Connector
- 10’ Coax Cable
- w/ 12.5 ft. RG174

4G-OTR Antenna Truck Edition

304415

- Spring Mount Kit
- 3 Way Mount
- w/ 14 ft RG58 cable
- SMA Female connector
- Includes 3-Way Mount (901104)

Mini Magnet-Mount Antenna (4G)

301126

- Omni Directional 700-2700MHz
- w/ 12.5 ft. RG-174 Cable
- SMA Male Connector

4G Wide Band Omni-Directional Marine Antenna

304420

- Designed as a boat exterior antenna
- Works with 50 Ohm amplifiers and accessories
- Weather resistant and easy to install
- w/ 20 ft. RG58 white cable
- w/ N-male to SMA male connector

Vehicle Antennas — Internal

4G Slim Low-Profile Antenna

314401*

- 700-2700 MHz
- w/ 10ft. LMR100 Cable
- SMA Male Connector

External Building Antennas — Use with WilsonPro 510003

4G Omni-Directional Building Antenna

304421

- 75 Ohm F-Female Connector
- 698 – 960 / 1710 -2700 MHz

4G Omni-Directional Plus Building Antenna

304423

- 75 Ohm F-Female Connector
- 698 – 960 / 1710 -2700 MHz

Wide Band Directional Antenna (4G)

314475

- 75 Ohm
- 700-2700 MHz
- w/ F Female Connector

Pole Mount Panel Antenna (4G)

314473

- 75 Ohm
- 700-2700 MHz 75 Ohm Vertically Polarized
- w/ F Female Connector

External Building Antennas — Use with WilsonPro 510004

4G Omni-Directional Building Antenna

304424

- 50 Ohm N-Female Connector
- 698 – 960 / 1710 -2700 MHz

4G Omni-Directional Plus Building Antenna

304422

- 50 Ohm N-Female Connector
- 698 – 960 / 1710 -2700 MHz

Wide Band Directional Antenna (4G)

314411

- 50 Ohm
- 700 - 2700 MHz
- w/ N Female Connector

Pole Mount Panel Antenna (4G)

314453

- 50 Ohm
- 700 - 2700 MHz 50 Ohm Vertically Polarized
- w/ N Female Connector

Internal Building Antennas — Use with WilsonPro 510003

4G Dome Antenna

304419

- 75 Ohm
- 698-960 / 1710-2700 MHz
- w/ 12 in. Pigtail F Female
- w/ F Female Connector

Ceiling Mount Panel Antenna (4G)

304471

- 75 Ohm
- 700-2700 MHz 75 Ohm Vertically Polarized
- w/N Female Connector
- w/Ceiling Mount

Wall Mount Panel Antenna (4G)

311155

- 75 Ohm
- 700-2700 MHz 75 Ohm Directional
- w/F Female Connector

Internal Building Antennas — Use with WilsonPro 510004

4G Dome Antenna

304412

- 50 ohm
- 698-960 / 1710-2700 MHz
- w/ 12 in. Pigtail N-Female
- w/ N Female Connector

Ceiling Mount Panel Antenna (4G)

304451

- 50 Ohm
- 700-2700 MHz 50 Ohm Vertically Polarized
- w/N Female Connector
- w/Ceiling Mount

Wall Mount Panel Antenna (4G)

311135

- 50 Ohm
- 700-2700 MHz 50 Ohm Vertically Polarized
- w/N Female Connector

Building Mounts

In-Wall Panel Antenna Mount

901123

Two Piece L-Bracket For Use w/Omni-Directional Antenna

901133

Adjustable Desk Mount

901137

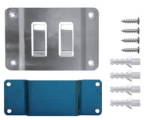
Ceiling Mount for Panel Antenna

901140

Antenna Pole Mounting Assembly

901117

- U-Bracket Assembly
- Wall Mount Bracket
- 10 in. Length x 1.5 in. Diameter Aluminum Tube



Wall Mount for Panel Antenna

901143

Pole Mount for Panel Antenna

901142

Vehicle Mounts

Home/Office Accessory Kit for Mobile Pro and Sleek Signal Repeaters

859970

Indoor Accessory Kit for Drive 3G/4G Signal Repeaters

859100

Cradle Mounting Kit

901134

- Adjustable Ball w/Adhesive Mount
- 2 Vent Clip Mounts
- Large T-Slot Mount

Window Mount with Long Radial

901128

Vent Clip Mount w/2 Clips

901136

Marine Antenna Mount

901119

Standard 1 inch by 14 thread

3/8x24 3 Way Mount w/ Spade Stud for Cellular Trucker Antenna

901104

Cup Holder Mount for the Drive 3G-S, 4G-S or for Cradle Antenna

901130

Gooseneck Mount for the Drive 3G-S, 4G-S or for Cradle Antenna

901120

Adjustable Suction Cup Mount for the Drive 3G-S, 4G-S or for Cradle Antenna

901132

3/8x24 Mirror Mount for Mack / Freightliner

901108

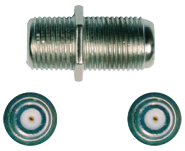
Horizontal Mount with Spade Stud

901106

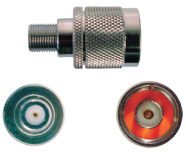
- Compatible with Wilson Cellular Trucker Antenna (3/8x24)

Cables and Connectors

N Female - N Female Barrel Connector
971117

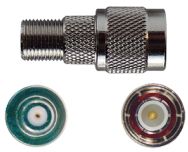


F Female - F Female Connector for RG6 Cable
971129

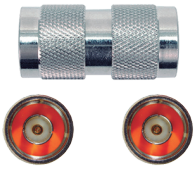


N Male - F Female Connector
971128

SMA Male to N Male Connector
971132



F Female To TNC Male Adapter
971130



N Male - N Male Connector
971148

F-Male to N-Female Connector
971151

SMA Male - TNC Female Connector
971153

N Female - SMA Male Connector
971156

N Female - SMA Female Connector
971157

SMA Male - SMA Male Barrel Connector
971163

SMA Male to F Female Connector
971165

N-Male Crimp Connector for use with WILSON400 Cable
971109

N Male Crimp Connector for RG58 Cable
971116

SMA Male to RG58 Crimp Connector
971131

SMA Male Crimp for RG174
971139

F-Male Compression Connector for the RG11 Cable
971150

F-Male Compression Connectors for the RG11 Cable, Quantity 10 Bagged
971150-10

Cables and Connectors

RG11
COAX CABLE
F-MALE / F-MALE
BLACK

951127 2 feet
951150 50 feet
951175 75 feet[1]
951100 100 feet
951155 500 feet

[1]compatible with crimp connector 971150. Center pin from connector. Must be soldered onto cable.

RG6
LOW-LOSS COAX CABLE
F-MALE / F-MALE
WHITE

950602 2 feet
950620 20 feet
950630 30 feet
950650 50 feet

WILSON400
ULTRA LOW-LOSS COAX CABLE[2]
N-MALE / N-MALE BLACK

952302 2 feet
952310 10 feet
952320 20 feet
952330 30 feet
952350 50 feet
952360 60 feet
952375 75 feet
952300 100 feet
952305 500 feet
952301 1000 feet

[2]equivalent to LMR-400

RG58 LOW-LOSS FOAM COAX CABLE
SMA-FEMALE / SMA-MALE BLACK
955805 5 feet
951147 10 feet
955815 15 feet

SMA-FEMALE / SMA-MALE WHITE
955823 20 feet

N-MALE / SMA-MALE BLACK
955802 2 feet
955812 10 feet
955822 20 feet

RG58U
LOW-LOSS FOAM COAX CABLE
N-MALE / N-MALE BLACK
951134 2 feet

EXTENTION CABLE
SMA-MALE / SMA-FEMALE
955832 30 feet

RG174 CABLE
SMA-MALE / SMA-MALE BLACK
951151 3 feet

RG174 EXTENSION CABLE
SMA-MALE / FME-FEMALE BLACK
951144 6 feet

RG58U
LOW-LOSS FOAM COAX CABLE
N-MALE / N-MALE WHITE
951148 20 feet

FLAT WINDOW CABLE
F-FEMALE / F-FEMALE
WHITE

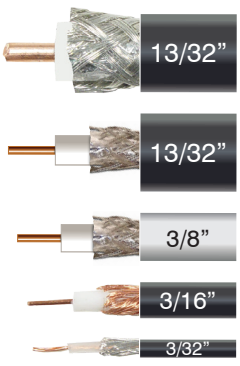
951152 8 inch
951177 10 inch

COAX CABLE BLACK

SMA-MALE TO SMA-MALE
951141 6 feet

SMA-FEMALE TO SMA-MALE
951130 6 feet

ACTUAL SIZE



	LOSS PER 10’	
	800 MHz	1900 MHz
Wilson 400	.45 dB	.7 dB
RG-11	.45 dB	.8 dB
RG-6	.83 dB	1.35 dB
RG-58	1.0 dB	2.66 dB
RG-174	3.58 dB	6.66 dB

Cables and Connectors

3/4” NMO w/ 14 ft. RG58 Cable and SMA Male Connector

901150

3/4” NMO w/ 14 ft. RG174 Cable and SMA Male Connector

901152

3/8 in. NMO Mount w/ 14 ft. RG58 Cable w/ SMA Male Connectors

905814

Attenuators

6 dB Attenuator, 50 Ohm (N Female Connectors)

859936

10 dB Attenuator, 50 Ohm (N Female Connectors)

859926

20 dB Attenuator, 50 Ohm (N Female Connectors)

859927

Lightning Surge Protector

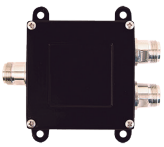
Lightning Surge Protector w/N-Female Connectors, 50 Ohm

859902

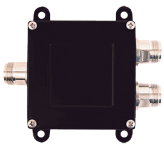
Lightning Surge Protector w/F-Female Connectors, 75 Ohm

859992

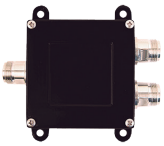
Taps



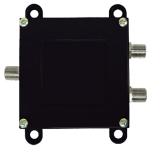
-10 dB Tap 700-2500 MHz w/0.5 dB Pass Thru 50 Ohm (N Female Connector)
859907



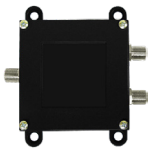
-7 dB Tap 700-2700 MHz w/1.5 dB Pass Thru 50 Ohm (N Female Connector)
859114



-6 dB Tap 800 MHz w/ 1.5 dB Pass Thru w/ N Female Connectors, 50 Ohm
859906



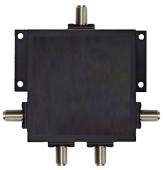
-10 dB Tap 700-2500MHz w/0.5dB Pass Thru 75 Ohm
859976



-7 dB Tap 700-2700 MHz w/1.5 dB Pass Thru 75 Ohm (F Connector)
859115

3 port 700-2500 MHz Splitter
w/ F Female connectors, 75 Ohm
859994

Splitter 4 Way -6 dB 700-2700MHz
w/N Female Connectors, 50 Ohm
859981



4 Port 700-2700 MHz Splitter
w/ F Female Connectors, 75 Ohm
859106

Splitter 2 Way -3 dB 700-2800 MHz
w/ N Female Connectors, 50 Ohm
859957

2 Port 700-2700 MHz Splitter
w/ F Female Connectors, 75 Ohm
859993

Splitter 3 Way -4.8 dB 700-2700MHz
w/ N Female Connectors, 50 Ohm
859980

Combiner/Diplexer

Dual Band Diplexer/Combiner (50 Ohm,
800-900 MHz/1850-1990 MHz Bands)
859922

Impedance Converter

50 to 75 OHM Converter with N-Female
Connector on 50 OHM Side and F-Female
Connector on 75 OHM Side
859955

Notes

Notes

ASIA-PACIFIC PRODUCT CATALOG

ASIA-PACIFIC OFFICE

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instagram.com/weboost/

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