

Pro 70 Plus (50 Ω)

SKU: 463127F

FEATURES

- Features a self-optimizing microprocessor with a built-in graphical signal meter for easy tower location
- Boosts cell phone signal inside a building or large area up to 25,000 sq. ft.
- Cell site protections that prevent interference with the carriers' system
- Self-optimizing design minimizes installation time
- Expansion kits available for large scale installations
- 5-band all-carrier cell phone signal amplifier
- Digital display to view automatic gain control



Kit Includes



Pro 70 Plus
(50 Ohm)



Wide Band
Directional Antenna
(314411)



Wall Mount Panel
Antenna
(311135)



Lightning Surge
Protector
(859902)



2ft Low-Loss
Wilson400 Cable
(952302)



60ft Low-Loss
Wilson400 Cable
(952360)



75ft Low-Loss
Wilson400 Cable
(952375)



12V/3A AC/DC
Power Supply
(859900)

About

The **Pro 70 Plus** passive distributed antenna system from Wilson Electronics amplifies weak cellular signals to provide reliable voice and data coverage inside homes and other buildings where signals may not penetrate. The Pro 70 Plus features a self-optimizing microprocessor with a built-in graphical signal meter. The uplink and downlink power display makes it easy for the integrator to determine the direction of the cell tower and the strength of the available signal, which greatly reduce installation time.

Like all Wilson amplifiers, the Pro 70 Plus features cell site protections that prevent any possibility of interference with cell towers. Wilson Electronics quality and our industry-leading three year warranty make the Pro 70 Plus the clear choice for the professional technology integrator.

Specifications

MODEL NUMBER	463127F	
FREQUENCIES	Band 12/17	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	12 dBm	
IMPEDANCE	50 Ohm	
POWER	110-240 V AC, 50-60 Hz, 20 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	1.5 x 6 x 8.75 in	
AMPLIFIER WEIGHT	2.78 lbs	

Detailed Specifications

ASSEMBLED IN THE USA



Innovation, Science and
Economic Development Canada

Pro 70 Plus™ 50 Ohm						
SKU	463127F					
Model Number	463027					
IC ID	PWO460027					
Connectors	N-Female					
Antenna Impedance	50 Ohms					
Frequency	698-716 MHz, 728-757 MHz, 776-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz					
Passband Gain (nominal)	700MHz Band12/17	700MHz Band13	800MHz	1700/2100MHz	1900MHz	
	56.0	55.2	58.9	60.7	60.7	
20 dB Bandwidth (MHz)	700MHz Band12/17	700MHz Band13	800MHz	1700/2100MHz	1900MHz	
Typical	29.9	28.6	38.7	82.6	81.8	
Maximum	34.4	34.4	40.3	85.0	85.9	
Power output for single cell phone (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz	
	20.4	20.82	25.16	23.0	21.42	
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz	
	11.57	10.41	9.4	11.3	9.47	
Power output for multiple received channels (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz	
No. Tones						
2	18.0	17.6	24.9	20.0	18.6	
3	14.5	14.0	21.4	16.4	15.1	
4	12.0	11.5	18.9	13.9	12.6	
5	10.0	9.6	16.9	12.0	10.7	
6	8.4	8.0	15.3	10.4	9.1	
Power output for multiple received channels (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz	
No. Tones						
2	9.50	7.60	10.00	11.70	9.10	
3	6.00	4.10	6.50	8.20	5.60	
4	3.50	1.60	4.00	5.70	3.10	
5	1.60	-0.40	2.00	3.80	1.10	
6	0.00	-1.90	0.40	2.20	-0.40	
Noise Figure	5 dB nominal					
Isolation	> 90 dB					
Power Requirements	110-240 V AC, 50-60 Hz, 20 W					

Each Signal Booster is individually tested and factory set to ensure ISED compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster 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 Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster 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 Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

Package Dimensions

13 L x 19.5 W x 13.5 H



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: 28 L x 14 W x 20 H | 38 lbs.

Support



3 Year Warranty from Purchase

Website: www.weboost.ca/support

Phone: +1 866 294 1660

Monday to Saturday

FOR PARTNER'S USE

UPC

463127F



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