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Omnidirectional Wireless LTE/MIMO Antenna

Pulse Part Number WA700/2700



Pulse/Larsen is proud to introduce a new state-of-the-art laptop or window mount multiband LTE MIMO antenna. This laptop or window mount antenna operates from 700 MHz through 2700 MHz, The antenna is ideal for enhancing reception for voice, mobile data and public safety applications.

Efficiency is above 60% across all bands and correlation coefficient between MIMO elements is <0.4 db for 700-960 MHz, <0.3 db for 1710-1990 MHz and <0.2 db for 2500-2700 MHz. The antenna can be mounted above a laptop screen or hung on the window using provided clips or heavy duty suction cups. Standard connector is SMA Male with 19.7 inches (500 mm) of cable length. Additional connector and cable length options available upon request.

Features
- MIMO antenna configuration
- LTE frequencies (700-960/1710-1990/2110-2170/ 2500-2700 MHz)
- Omnidirectional radiation
- Clip mount connections
- Standard connector SMA Male
- Antenna dimension 5.85 x 5 x .2 inches (149 x 127 x 5.1 mm)
- RoHS compliant product

Applications
- Laptop LTE connection
- LTE Access Point and Routers
- LTE accessory

NOTE: The WA700/2700 series comes with two clips and two suction cups (see photo above) to enable connection to a laptop computer or window. Replacement clips can be obtained by ordering part number WACLIP (package of two). Replacement suction cups for window mounting are available by ordering WASUCTIONCUP (package of two).

P/N	Cable Type	Cable Length (inches / mm)	Connectors
WA700/2700SMA	RG-174	39.37 / 1000	SMA Male
WA700/2700RPSMA	RG-174	39.37 / 1000	Reverse Polarity SMA
WA700/2700TSTS	RG-174	39.37 / 1000	TS9

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Electrical Specifications

Frequency [MHz]		700-960 / 1710-1990 / 2110-2170 / 2500-2700
Nominal Impedance [Ω]		50
VSWR		2.5:1
Gain	700-960 MHz [dBi avg]	2.5
	1710-2700 MHz [dBi avg]	3.5
Efficiency	700-960 MHz	60%
	1710-2700 MHz	70%
Correlation Coefficient Between MIMO Elements	700-960 MHz	<0.4
	1710-1990 MHz	<0.3
	2500-2700 MHz	<0.2
Isolation [dB]		9
Polarization		Linear
Power Rating [W]		2

Environmental Specifications

Operating Temperature [°C]	-40 to +85
Storage Temperature [°C]	-40 to +85

Mechanical Specifications

Radome Material	PC/ABS
Color	Black
Weight [oz/g]	4.2 / 131.5
Dimensions [in/mm]	5.85 x 5 x .2 / 149 x 127 x 5.1
Mounting	Suction Cup or Clip