



NEW ANTENNA SERIES! WIDEBAND 5G-FR1, WIFI-6E, IOT, TRANSIT ANTENNA

The new LPT series antenna, LPT600/71, is an industry leading 5G-FR1 & WiFi-6E product series. With a new low-profile design, our LPT600/71 antenna series offers a robust, attractive profile with exceptional efficiency and performance across all peak bands.









The LPT series is the first wideband 5G-FR1 industrial antenna on the market with all the key mounting options, including Direct N Jack, Direct N Male, and standard NMO. With superior performance that features an impressive 2 dBi gain at Band 71 (617-698 MHz), and over 67% efficiency, the LPT series insures reliable coverage across all frequency bands. Pulse's LPT series is a superior option with significant performance advantages compared to other solutions on the market. With a variety of mounting options, the LPT600/71 series offers design flexibility across many applications, including fleet management, M2M, IoT, Connected Vehicles and more.

The new mechanically robust design, IP67 rating, and omnidirectional pattern makes the LPT series great for both indoor and outdoor applications. With a ground plane independent and DC grounded option, the LPT600/71 series allows for an easy vandal resistant installation in ceiling and surface mount applications where a metallic surface is not present. The antenna measures just 3.7" tall with a 1.61" diameter, allowing for an aesthetically pleasing installation. With a growing need for connected devices, our LPT600/71 series is a premium solution for any application.

FEATURES & APPLICATIONS

- Wideband coverage; 5G FR1/LTE/CBRS, WiFi, & WiFi 6E
- High performance, high efficiency single element design
- DC grounded & ground plane independent options available
- Mechanically robust, IP67 rated for outdoor and indoor use
- Low profile, aesthetically pleasing package
- Various key Mounting options for design flexibility
- FirstNet/Public Safety
- Cellular/5G/LTE/CBRS
- M2M/ Utilities
- IOT/IIOT
- Transportation

5G LPT SERIES OFFERING

	Pulse PN	Antenna Type	Frequency Range	Peak Gain	Efficiency	Polarization	Radiation Pattern	Connector	Ingress Protection	Size (mm)	DC Ground
	LPT600/71NMO LPT600/71NMOW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 4 dBi	65-80%	Linear	Omni	NMO (Pogo Pin)	IP67	Ø40.9 x 95.9	No
	LPTDCG600/71NMO LPTDCG600/71NMOW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 5.5 dBi	51-83%	Linear	Omni	NMO (Pogo Pin)	IP67	Ø40.9 x 95.9	Yes
	LPT600/71DMN LPT600/71DMNW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 7 dBi	67-84%	Linear	Omni	Direct N Female	IP67	Ø40.9 x 95.9	No
	LPTNGP600/71DMN LPTNGP600/71DMNW	Outdoor (Single Ant)	617 to 7125 MHz	0 to 3.4 dBi	43-75%	Linear	Omni	Direct N Female	IP67	Ø40.9 x 95.9	No
	LPTNGPDC600/71DMN LPTNGPDC600/71DMNW	Outdoor (Single Ant)	617 to 7125 MHz	0 to 3.7 dBi	41-77%	Linear	Omni	Direct N Female	IP67	Ø40.9 x 95.9	Yes
	LPTDCG600/71DMN LPTDCG600/71DMNW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 7 dBi	67-84%	Linear	Omni	Direct N Female	IP67	Ø40.9 x 95.9	Yes
	LPT600/71NM LPT600/71NMW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 5.5 dBi	67-85%	Linear	Omni	Direct N Male	IP67	Ø40.9 x 95.9	No
	LPTDCG600/71NM LPTDCG600/71NMW	Outdoor (Single Ant)	617 to 7125 MHz	2 to 7 dBi	67-85%	Linear	Omni	Direct N Male	IP67	Ø40.9 x 95.9	Yes

Other Great Products from Pulse Electronics



Embedded Antennas Ceramic/ Helical/FPC/Stamped

Embedded ceramic chip and patch, composite, Helical, FPC and Stamp metal antennas for effective miniaturization and simplicity



3D Antennas LDS/LAP/FluidANT

Get Inspired of 3D Shapes by using LDS, LAP & FluidANT antenna design and manufacturing process.



Internal Antennas FPC/ PCB/ NFC/WPC/LCP Antennas

Pre-optimized performance with common plastic housing. Compact dimensions and adhesive mount. Providing high efficiency solutions of NFC and WPC compliance



External/ In-Building Antennas

Reliable blade/ stick antennas for routers & gateways. Cutting edge design and performance proven DAS antennas for in-building wireless and public-safety.



IPD RF Components - LTCC

LTCC based BPF, LPF, Balun, Diplexer, Triplexer, Balanced BPF, and Coupler



Outdoor Antennas

Weather proof portable and fixed outdoor antennas for portable radio and data collecting purposes.



Vehicular Antennas

Extensive ruggedized, tamper-proof and aesthetically pleasing legacy Larsen and multiband antennas for public safety, transportation, and other applications.



Cable & Mounting Solutions

Support NMO and various mounting types with custom cable types and connector selections.