4.9 GHz LTE External Vehicle or Enclosure Direct Mount Antenna

Pulse Part Number SLPT4900DMN

Pulse is proud to introduce the SLPT (Shadow Low Profile Transit) product line for Public Safety, WLAN, LTE and 3G/4G applications. These rugged, aesthetically pleasing antennas provide a smaller, slimmer option to our current LPT product line without sacrificing mechanical or electrical performance. The product line includes both NMO and tamper-proof direct mount products, which will support multiple cable and connector options.

SLPT antennas were designed to perform over the high-percentage bandwidth applications prevalent in the market today. As a new product line, these antennas were created specifically to serve emerging applications such as 700 MHz Public Safety, LTE, Smart Grid and WLAN. These value-oriented antennas provide a cost-effective, high-performance solution for LTE and 802.11n MIMO applications as well.

Features
- Direct mount models
- Multiple and dual frequency products available
- Shorter, slimmer profile without sacrificing mechanical performance
- IP-67 rating when installed to compliant surface
- RoHS Compliant Product

Applications
- Public Safety & LTE
- 802.11n Applications
- M2M and Smart Metering

San Diego, CA 858 674 8100   Vancouver, WA 360 944 7551   Europe 49 7032 7806 0   Asia 86 755 33966678   North Asia 886 3 4356768   China 86 512 6807 9998

1   pulseelectronics.com/products/antennas   L140.A (07/12)

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Electrical Specifications

Frequency [MHz]	4900 - 5900
Nominal Impedance [Ω]	50
Gain [dBi avg]	5.5
VSWR	2.0:1
Polarization	Vertical
Horizontal Plane	Omni
Power Rating [W]	10

Environmental Specifications

Operating Temperature [°C]	-40 to +85
Storage Temperature [°C]	-40 to +85
Relative Humidity [%]	100

Mechanical Specifications

Radome Material	PC + ABS Plastic
Color	Black
Ingress Protection	IP-67
Weight [oz/g]	4.6 / 130.4
Dimensions [in/mm]	2.5 H x 1.5 Ø base / 63.5 x 38.1 Ø base
Mounting	Direct 3/4" (19.05 mm) hole
Connector	N Female

NOTE: Performance measurements are taken on an 18" (450 mm) diameter ground plane. A similar ground plane size is recommended for optimal performance.

Radiation Pattern

Vertical Plane

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