PulseLARSEN Antennas

TECHNICAL DATA SHEET

Series: NMO mount Low Profile

Description: LP, 740-960MHz, 3.7dBi, NMO

PART NUMBER: LP78NMO, LP78NMOW (White)

Features:

- 740-960MHz
- Omni radiation pattern
- Average peak gain 3.7 dBi
- Power rating 100W
- Size Dia. 113.2mm (4.46”)
- Height 32mm (1.26”)
- NMO mount

Applications:

- Public Safety
- FirstNet Band14 Compliant
- LMR
- Transportation
- Vehicular applications

Issue: 1737

RoHS COMPLIANT

For more information:

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99 Huo Ju Road(#29 Bldg,4th Phase
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ELECTRICAL SPECIFICATIONS

Antenna type	Monopole, Measured on Ø1.02m (40”) ground plane
Frequency	740-960 MHz
Nominal Impedance	50 Ω
VSWR	2:1
Average peak gain	3.7 dBi
Average efficiency	75 %
Radiation Pattern	Omni
HPBW / Vertical Plane	37 °
Polarization	Vertical
Power withstanding	100 W

MECHANICAL SPECIFICATIONS

Diameter / height	113.2 / 35.2mm (4.46” / 1.26”)
Weight	153 g (.34lbs)
Antenna Color / Material	Black (W) White / Makroblend®
Connector type	NMO

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40° to +70° C
Ingress Protection	IP65
RoHS Compliant	Yes

OTHER SPECIFICATIONS

Used on NMO 3/4” HF or STD mounts (NMOKHFUD)	
Typical cable loss for 5.2m (17’) RG-58 @ 850MHz	2.4 dB

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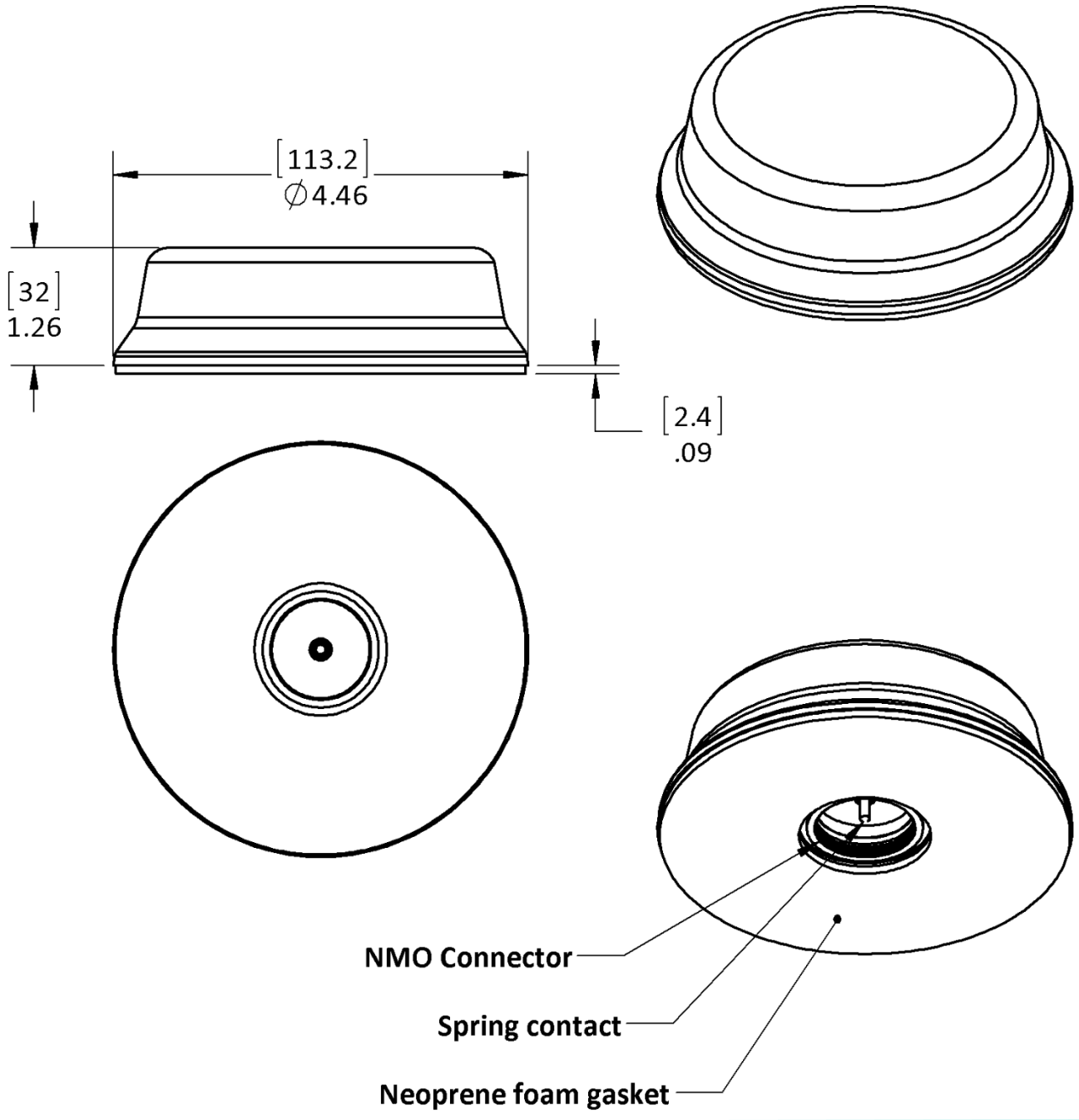
MECHANICAL DRAWING



All dimensions are in mm / inches

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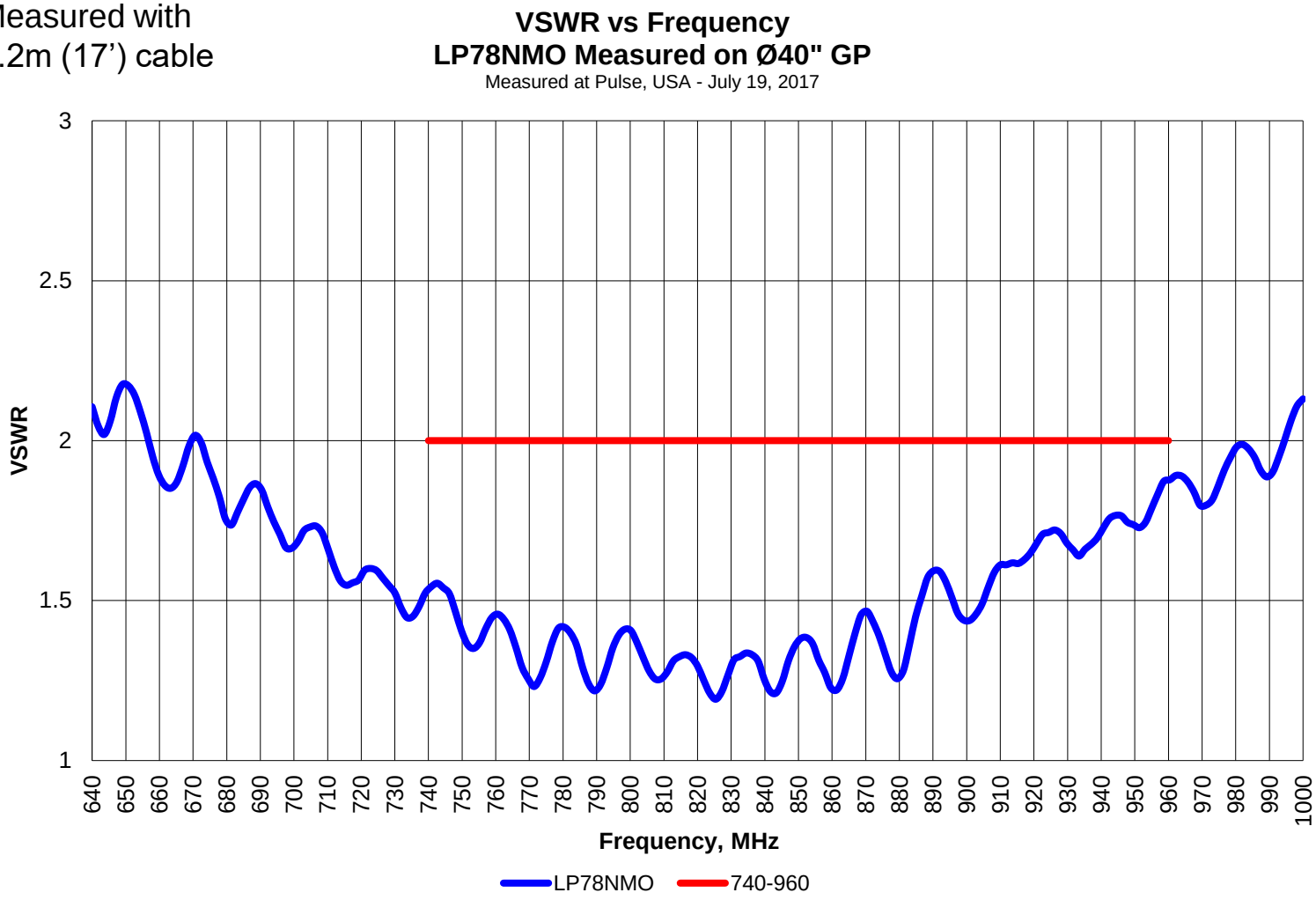
CHARTS

Measured with 5.2m (17') cable



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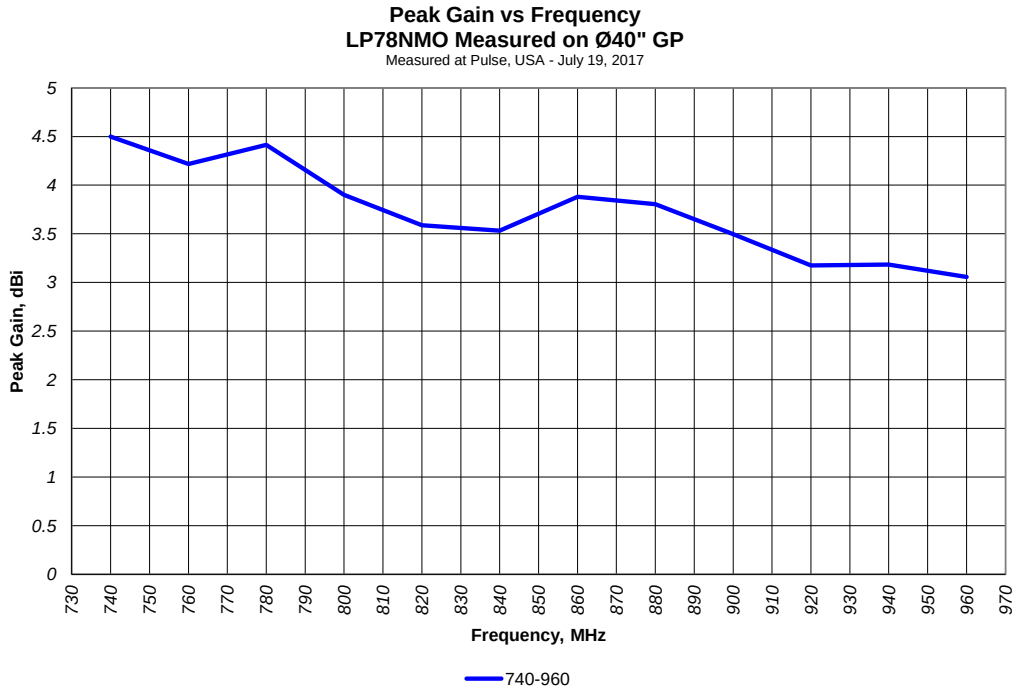
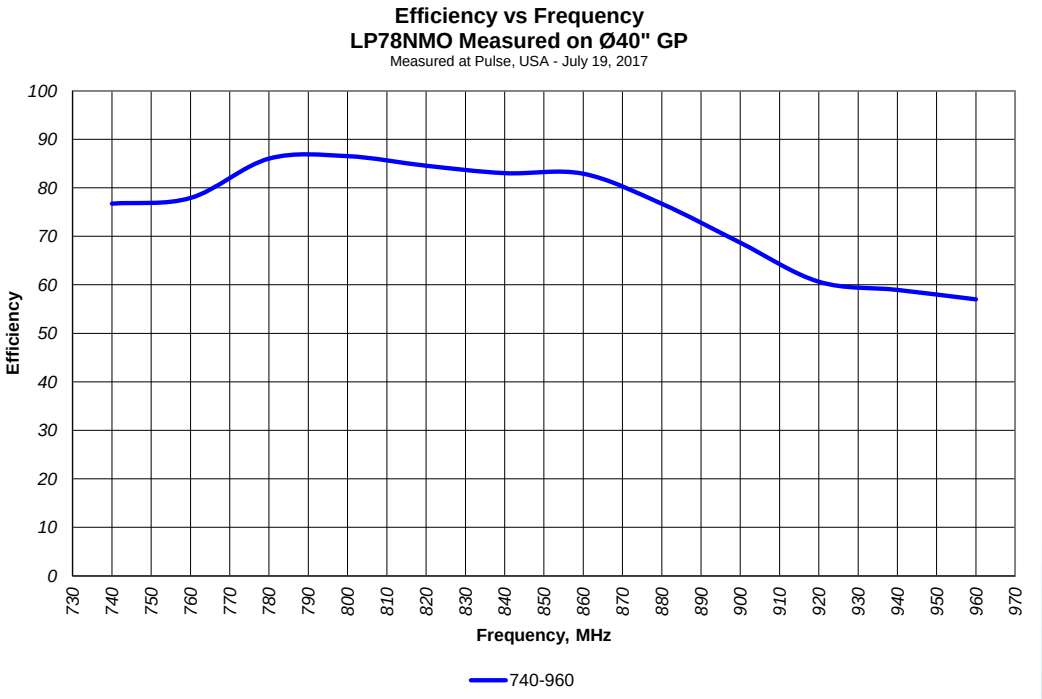
CHARTS

Measured with 102mm (4” cable)



Measured with 102mm (4” cable)



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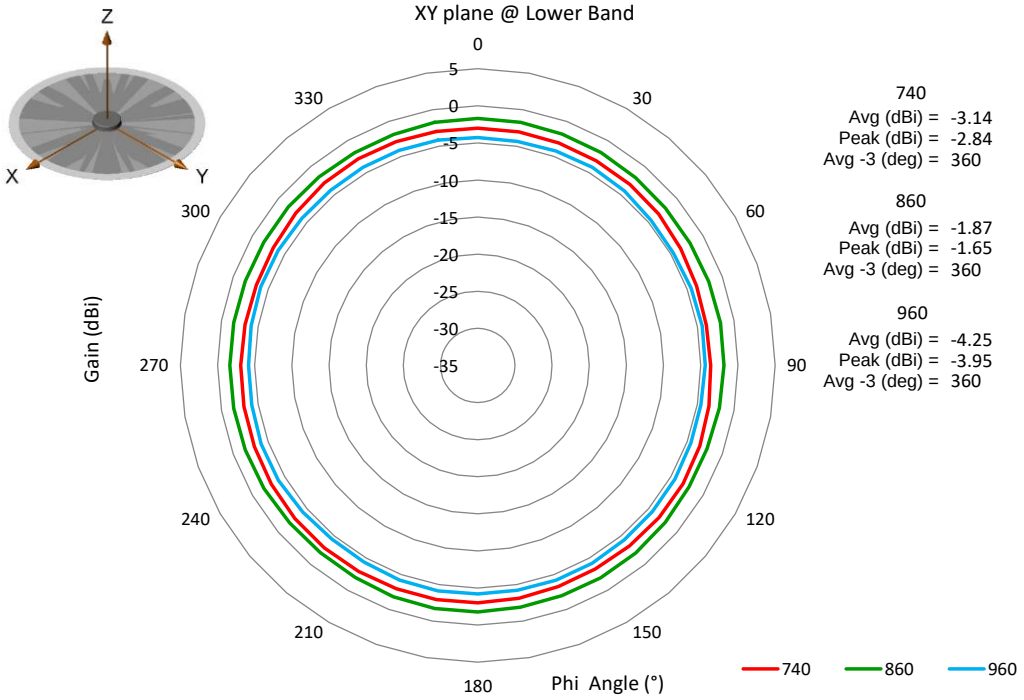

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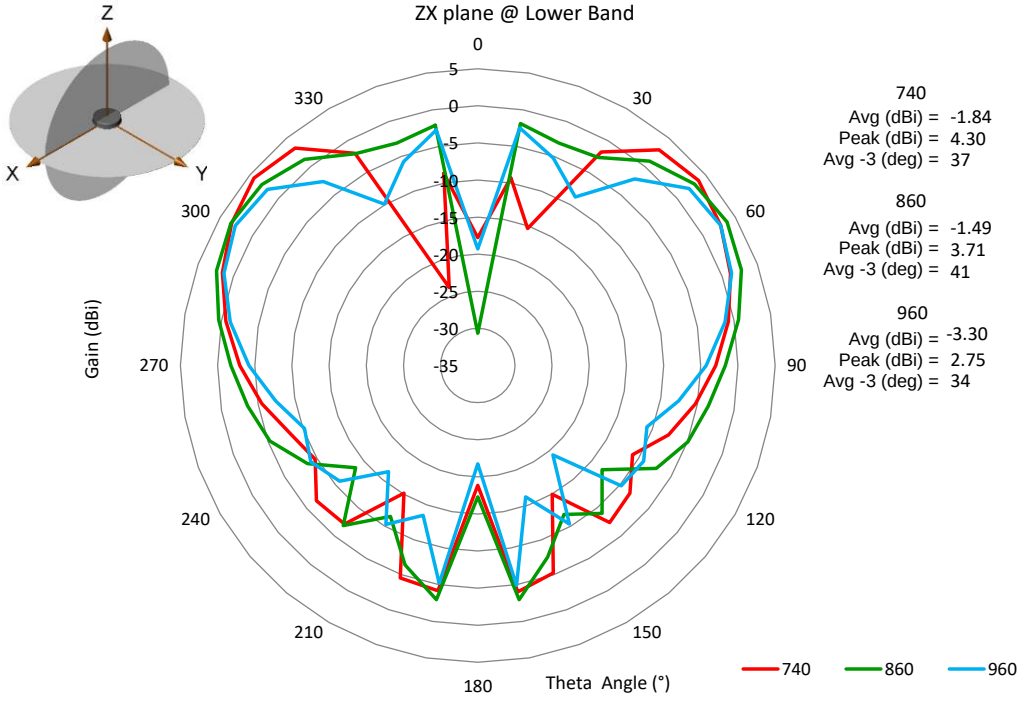

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PACKAGING

1 antenna packed in a plastic bag

1 label on each plastic with part number, description, date code.

ASSEMBLY

ANTENNA MOUNTING

1. A self-adhering foam gasket protects the vehicle mounting surface and excludes water from the antenna. Do not apply sealant in the threaded antenna base.
2. Carefully line up the threads of the antenna with the threads of the base and turn slowly. Once the threads are engaged, turn a minimum of two complete revolutions.
3. Stop when the antenna feels snug or it can no longer be tightened by hand.

RoHS COMPLIANT