

LPAB-868-2SP

868MHz Ultra Low Profile Antenna

Issue Date: 06/06/2018 vA



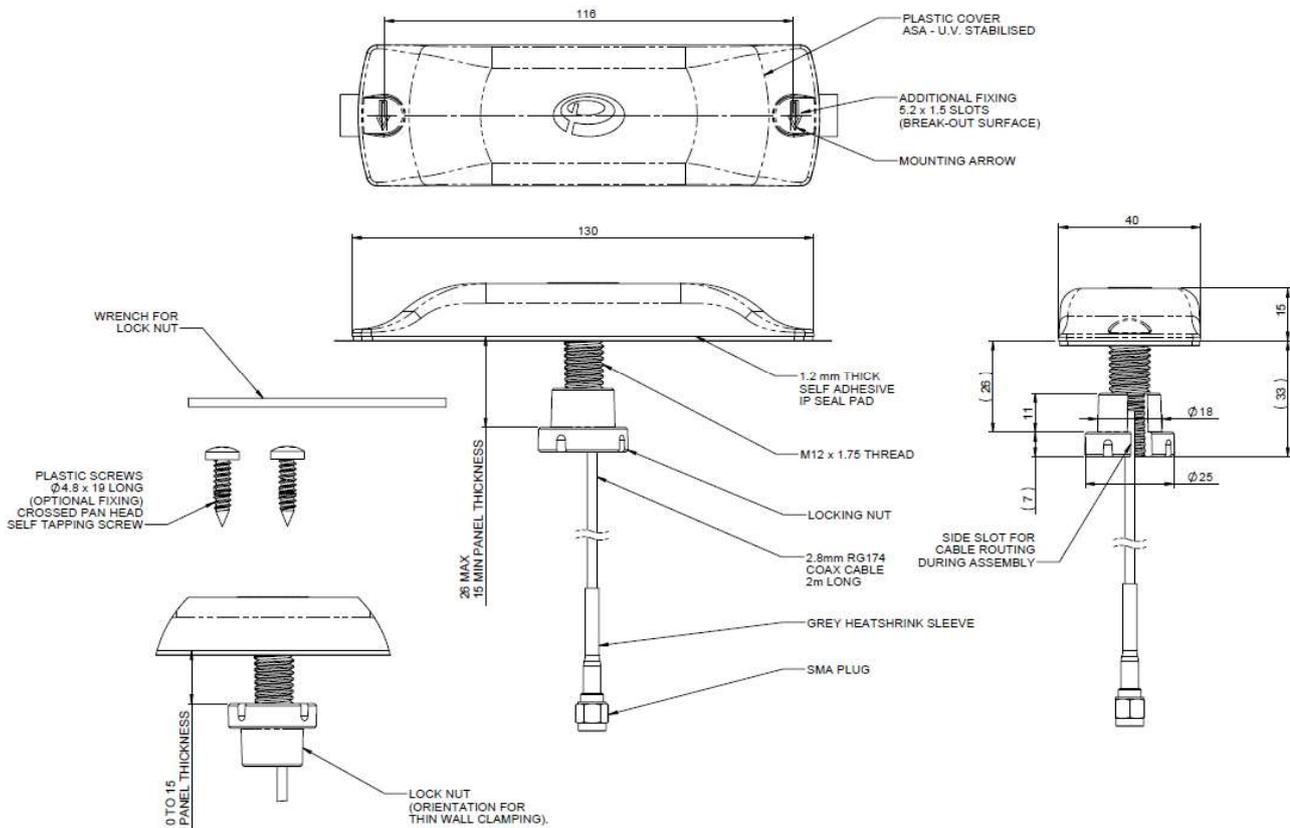
- Robust panel mount antenna
- Efficient 868MHz coverage
- Ultra low profile - Only 15mm high

The Panorama LPAB range of antennas combine ergonomic style with sophisticated engineering. The rugged design features a solid impact resistant and weatherproof, plastic housing.

The low profile housing gives a high degree of vandal resistance making it perfect for vending machines or other telemetry devices in exposed locations that require reliable communications. The antenna is secured in place by a reversible locking nut allowing secure fitment to panels of between 1mm (0.04") and 26mm (1") thick.

The antenna offers ground-plane independent omni directional performance across up to three bands making it a versatile solution for a number of applications.

Technical Drawing



Part No.

LPAB-868-2SP

Electrical Data

Frequency Range (MHz) 868 MHz

Peak Gain † 2dBi

Typical VSWR* <2.5:1

Polarisation Vertical

Pattern Omni-directional

Impedance 50Ω

Max input power (W) 20

Mechanical Data

Height 15 (0.6")

Length 130 (5.1")

Width 40 (1.5")

Operating Temp (°C) -30° / +70°C (-30° / 158°F)

Material ASA

Colour Grey

Mounting Data

Fixing M12 Panel Mount

Cable Data

Cable Type RG174

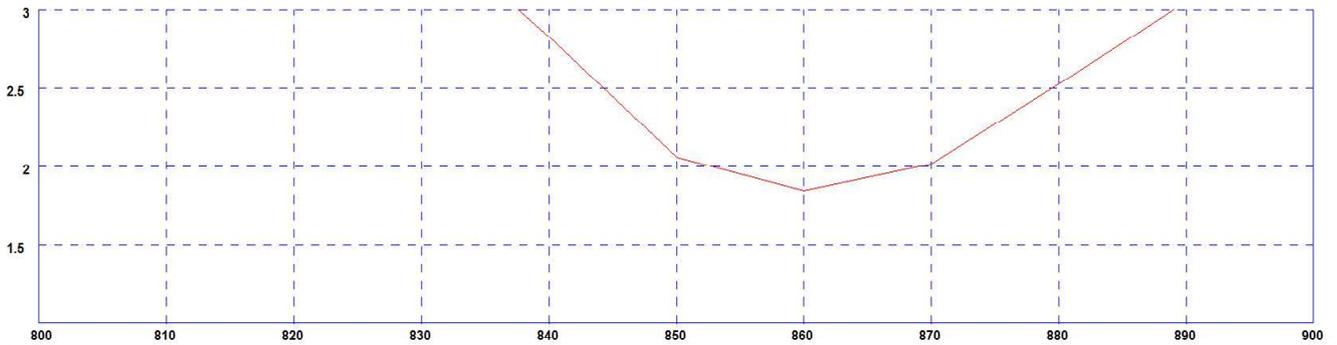
Diameter (mm) 2.8 (0.11")

Length (m) 2 (6.6")

† Peak gain does not include cable attenuation

Typical VSWR*

VSWR

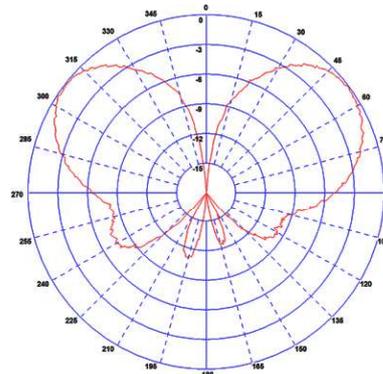
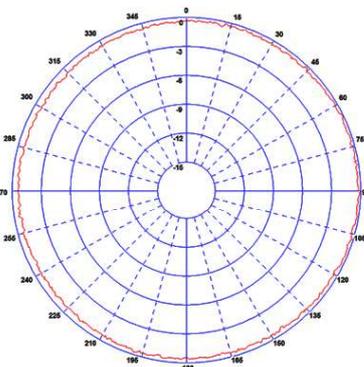


*VSWR measured in free space with 2m of RG174 cable

Typical H plane (868MHz)

Typical E plane (868MHz)

2D Patterns



*Polar Plots measured on a 600x600mm (2'x2') ground plane

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice.