

SiSo UHF/ LTE IOT Antenna

LPAL-460-7-42-[X]

PANORAMA ANTENNAS



LPAL-460-7-42-[X]

- Efficient antenna covering 450-466/698-960/1710-4200MHz
- Wall, panel or mast mount
- Ensure reliable connectivity for IOT devices

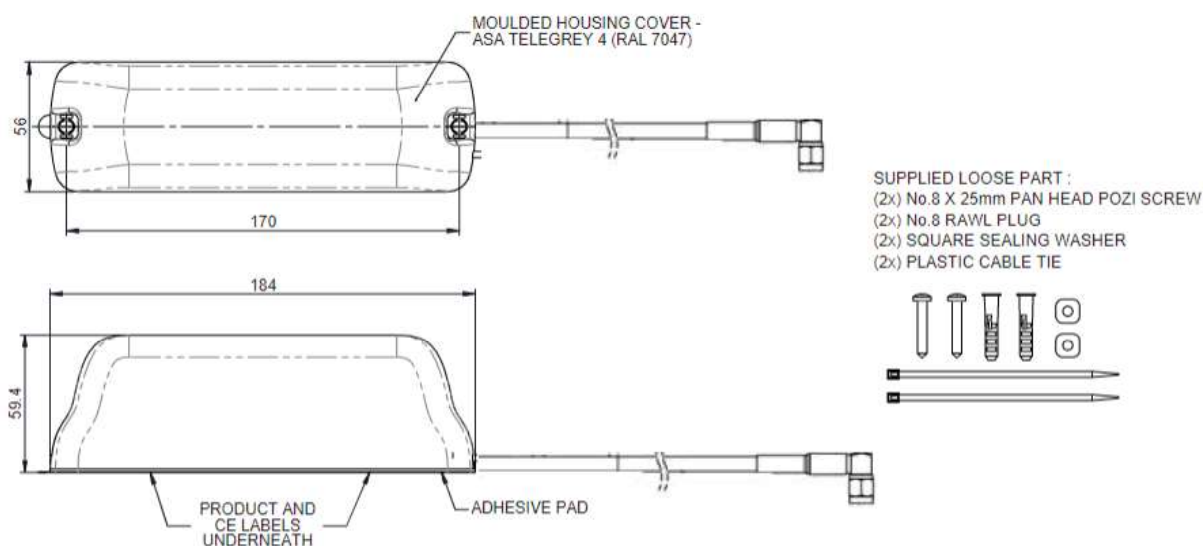
The LPAL-460-7-42 series is a range of efficient omni-directional multi-band antennas for IOT devices suitable for external or internal installation.

The design of the antenna enables simple wall mounting using the supplied screws and wall plugs, adhesive pad mounting or mast mounting using the supplied cable ties. The omni-directional radiation pattern allows easy placement and flexible installation.

These antennas are an ideal solution for use in industrial and domestic environments with cellular modems/routers for IoT and Machine to Machine (M2M) wireless connectivity applications. The high performance of the antenna helps maximise first time connection rates and minimise revisits and communications issues after installation thereby reducing lifetime costs.

The antennas are fitted with integrated FR CS29 cable and a variety of connectors.

Technical Drawing



SiSo UHF/ LTE IOT Antenna

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PANORAMA  ANTENNAS

Product Data

Part No.

LPAL-460-7-42-03NJ

LPAL-460-7-42-
3RSMAP

LPAL-460-7-42-
5RSMAP

LPAL-460-7-42-7-
5RSMAP

LPAL-460-7-42-
10RSMAP

Electrical Data

Frequency Range (MHz) 450-466 / 698-960 / 1710-4200

Peak Gain: 450-466 0dBi

Isotropic+ 698-960MHz 4dBi

1710-4200 MHz 6dBi

Typical VSWR <3:1

Polarisation Vertical

Pattern Omni-directional

Impedance 50Ω

Max Input Power (W) 5

Mechanical Data

Length 184 (7.24")

Width 56 (2.2")

Height 59 (2.32")

Operating Temp (°C) -40° / +85°C (-40° / 185°F)

Material ASA

Colour Telegray RAL 7047

Relative Humidity 95%

Ingress Protection IP65

Regulatory Compliance RoHS 2 (exemption 6.c applied) | REACH

Mounting Data

Fixing Wall /panel - screw / adhesive / cable tie pole mount

Mounting Screw Diameter (mm) 4 (0.16")

Cable Data

Type FR CS29 (UN ECE R118 and EN45545-2 Compliant)

Diameter (mm) 5 (0.2")

Length (m) 0.3 (1') 3 (9'10") 5 (16'4") 7.5 (24'7") 10 (32'9")

Voltage Withstand 1000 V DC

Jacket Spark 3000 V RMS

Termination N Jack (f) Right Angle SMA Plug (m)

+ Swept peak gain measured with 0.5m (1.6') of cable on a 400x400mm (1.3'x1.3') ground plane.