

Low PIM Ultra Low Profile SiSo Ceiling Antenna

CMSLP-038-4

PANORAMA ANTENNAS



- Ultra Low Profile
- Siso UHF/3G/4G/5G Antenna
- Flame Retardant Materials
- Low PIM Construction

The CMSLP-038-4 range has been designed to provide SiSo UHF/3G/4G & 3.8GHz 5G coverage for DAS networks in an ultra low profile package. The compact, robust low-profile housing contains a highly efficient antenna element covering 380-520/617-960/1710-3800MHz.

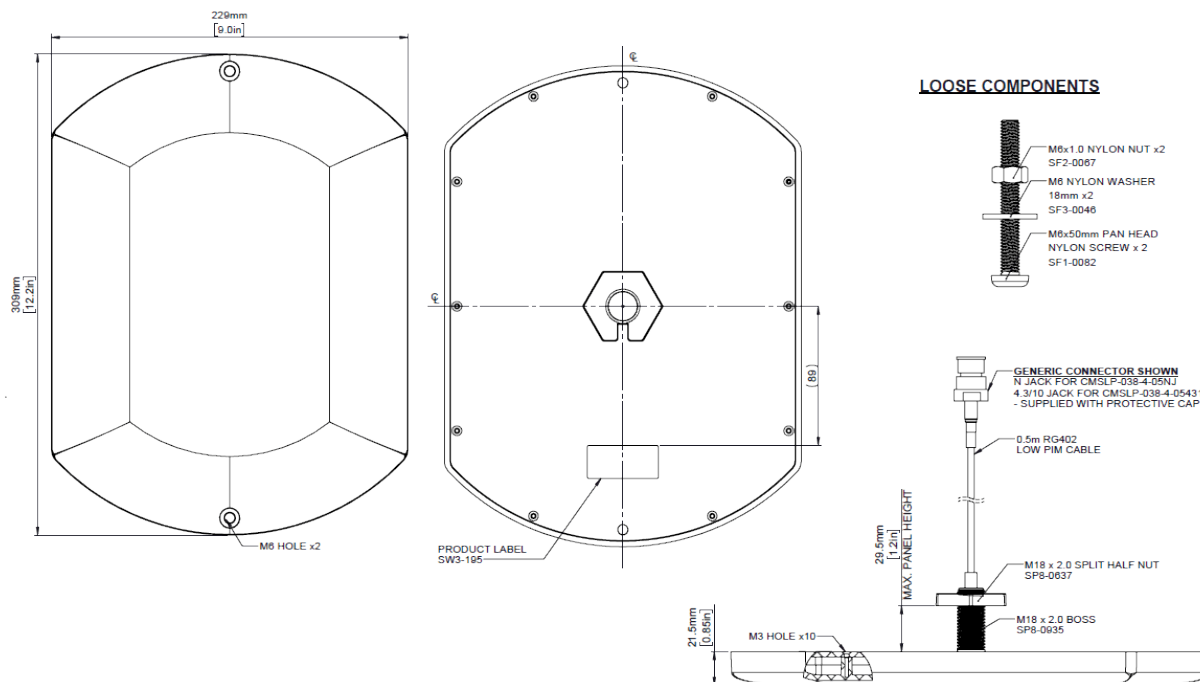
At < 22mm (0.85") high the antenna is extremely discreet and ideal for low clearance deployment locations.

The antenna is designed to be ceiling mounted and can be fitted on any non-conductive panel. Supplied with integrated flame retardant low PIM RG402 cable and a flame retardant radome the antenna is suitable for many environments.



This product features Panorama Antennas' PIM Guard Technology and will meet or exceed a third order intermodulation level of > -150dBC (2x 20W carrier)+

Technical Drawing



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Product Data

Part No.

CMSLP-038-4-05NJ

CMSLP-038-4-054310

Electrical Data

Frequency Range (MHz) 380-3800

Peak Gain: 380-520MHz 2

Isotropic \dagger 617-960MHz 4

1710-3800MHz 4

Pattern Omni-directional

Typical VSWR <2.2:1

Passive intermod. (2x20W, 3rd ord.) dBc* < -150

Nominal Impedance 50 Ω

Max input power (W) 50

Mechanical Data

Length 309 (12.2")

Dimensions (mm) Height 229 (9.0")

Depth 21.5 (0.85")

Operating Temp (°C) -40° / +80°C (-40° / 176°F)

Material FR ABS

Colour White

Typical Weight (g) 780

Mounting Data

Fixing Panel Mount - 18mm (3/4") / 2x 6mm (1/4") Screws

Max Panel Thickness 29.5mm (1.2")

Cable Data

Cable Type 402 Low PIM Flame Retardant Cable

Diameter (mm) 4 (0.16")

Length (m) 0.5(1'6")

Termination N (f) 4.3-10 (f)

\dagger Peak gain simulated with no ground plane and excluding cable loss

* Typical VSWR stated as measured with 0.5m (1.5'+) of cable

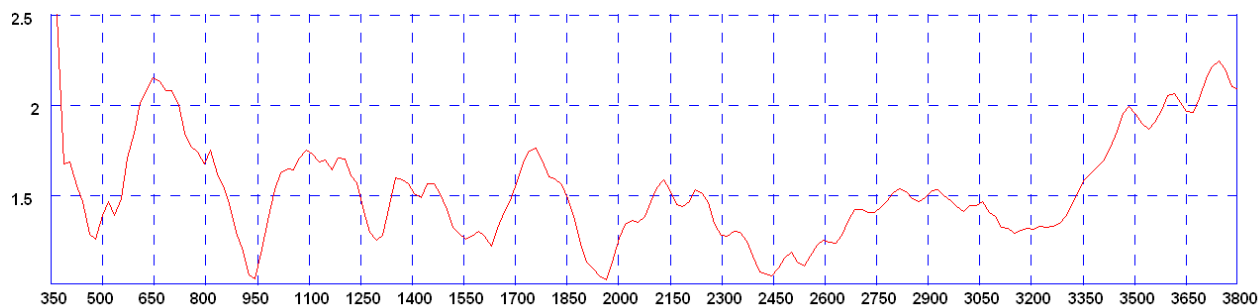
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Electrical Data - Cell

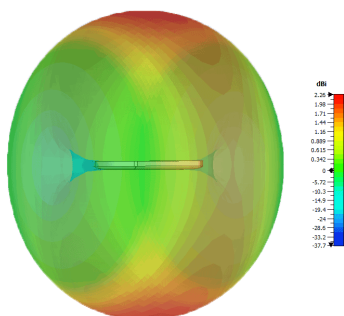
Typical VSWR *



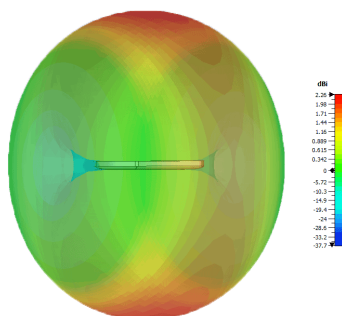
* VSWR measured with 0.5m (1.5') of RG402 cable and no ground plane

3G Patterns - Cell

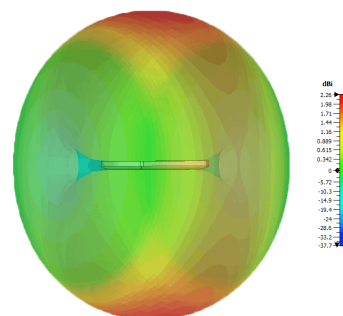
Typical 3D Pattern- Side (400MHz)



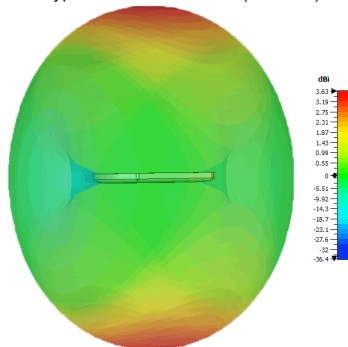
Typical 3D Pattern- Side (500MHz)



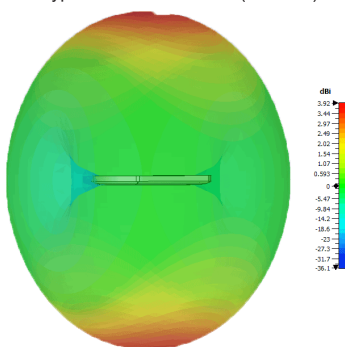
Typical 3D Pattern- Side (700MHz)



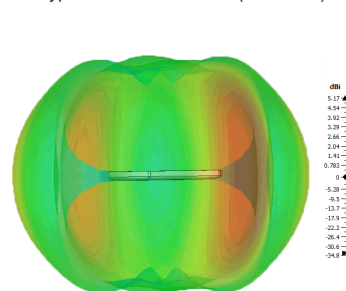
Typical 3D Pattern- Side (800MHz)



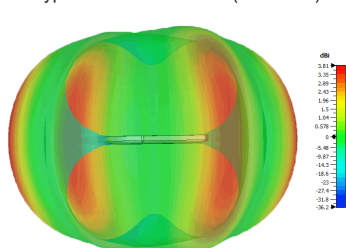
Typical 3D Pattern- Side (900MHz)



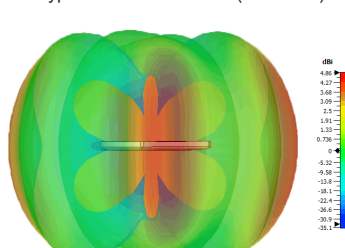
Typical 3D Pattern- Side (1800MHz)



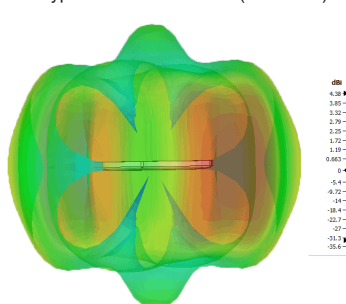
Typical 3D Pattern- Side (2000MHz)



Typical 3D Pattern- Side (2600MHz)



Typical 3D Pattern- Side (3600MHz)



3D patterns simulated in CST Microwave Studio with no ground plane and excluding cable loss

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