

Ultra Low Profile SiSo UHF Ceiling Antenna

CMS-380-520-05NJ

PANORAMA ANTENNAS

- Ultra Low Profile
- Siso UHF Ceiling Antenna
- Flame Retardant Materials

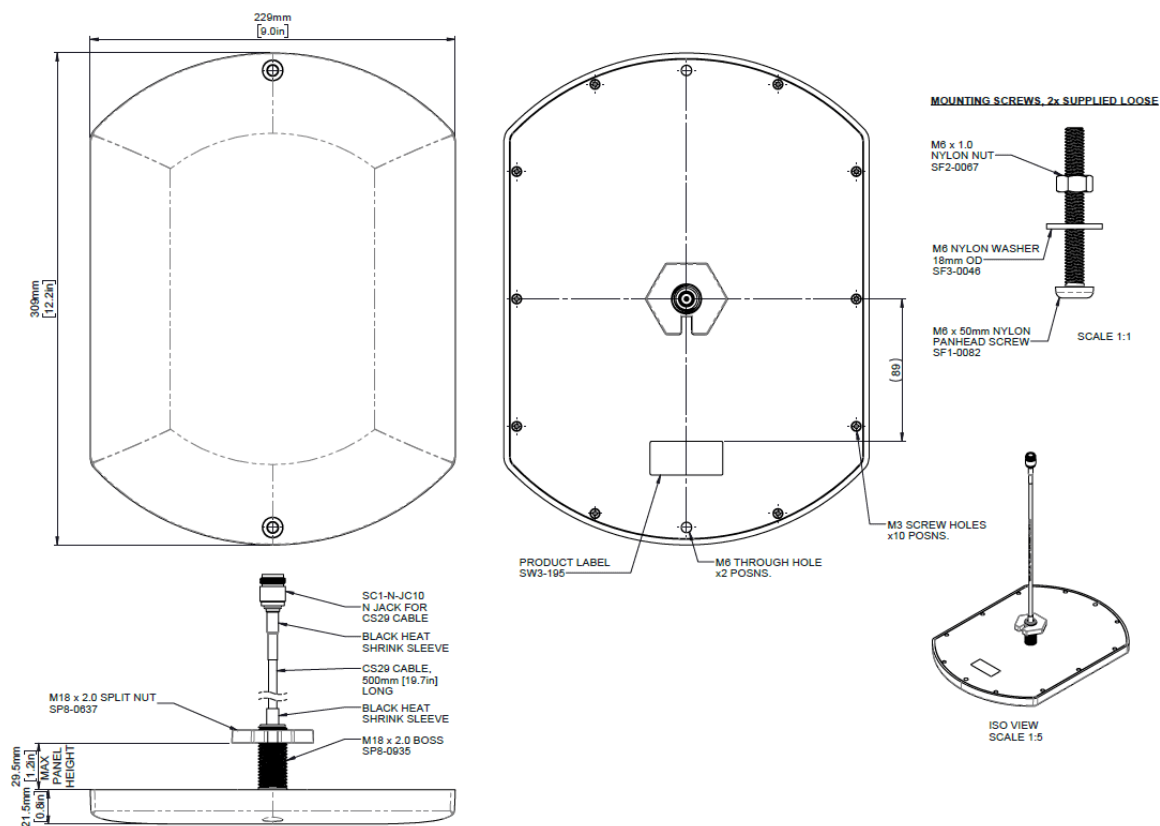


The CMS-380-520-03NJ range has been designed to provide SiSo UHF coverage for DAS networks in an ultra low profile package. The compact, robust low-profile housing contains a highly efficient antenna element covering 380-520MHz.

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 CS29 cable and a flame retardant radome the antenna is suitable for many environments.

Technical Drawing



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Product Data

Part No.		CMS-380-520-05NJ
Electrical Data		
Frequency Range (MHz)		380-520
Peak Gain: Isotropic ‡	380-520MHz	2
Pattern		Omni-directional
Typical VSWR		<1.8:1
Nominal Impedance		50Ω
Max input power (W)		50
Mechanical Data		
Dimensions (mm)	Length	309 (12.2")
	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		
UHF	Cable Type	CS29 Flame Retardant Cable
	Diameter (mm)	5 (0.2")
	Length (m)	0.5(1'6")
	Termination	N (f)

‡ Peak gain simulated with no ground plane and excluding cable loss

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

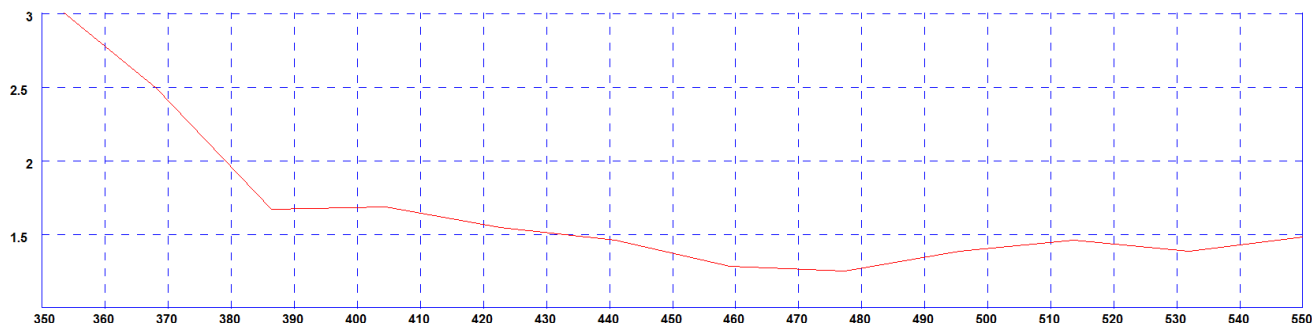
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Electrical Data - Cell

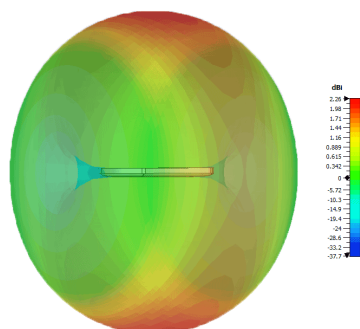
Typical VSWR *



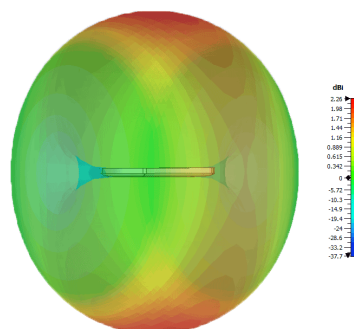
* VSWR measured with 0.5m (1.5') of CS29 cable and no ground plane

Electrical Data- WiFi

Typical 3D Pattern- Side (400MHz)



Typical 3D Pattern- Side (500MHz)



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