

# Ultra Low Profile SiSo UHF Ceiling Antenna

CMS-380-520-05NJ



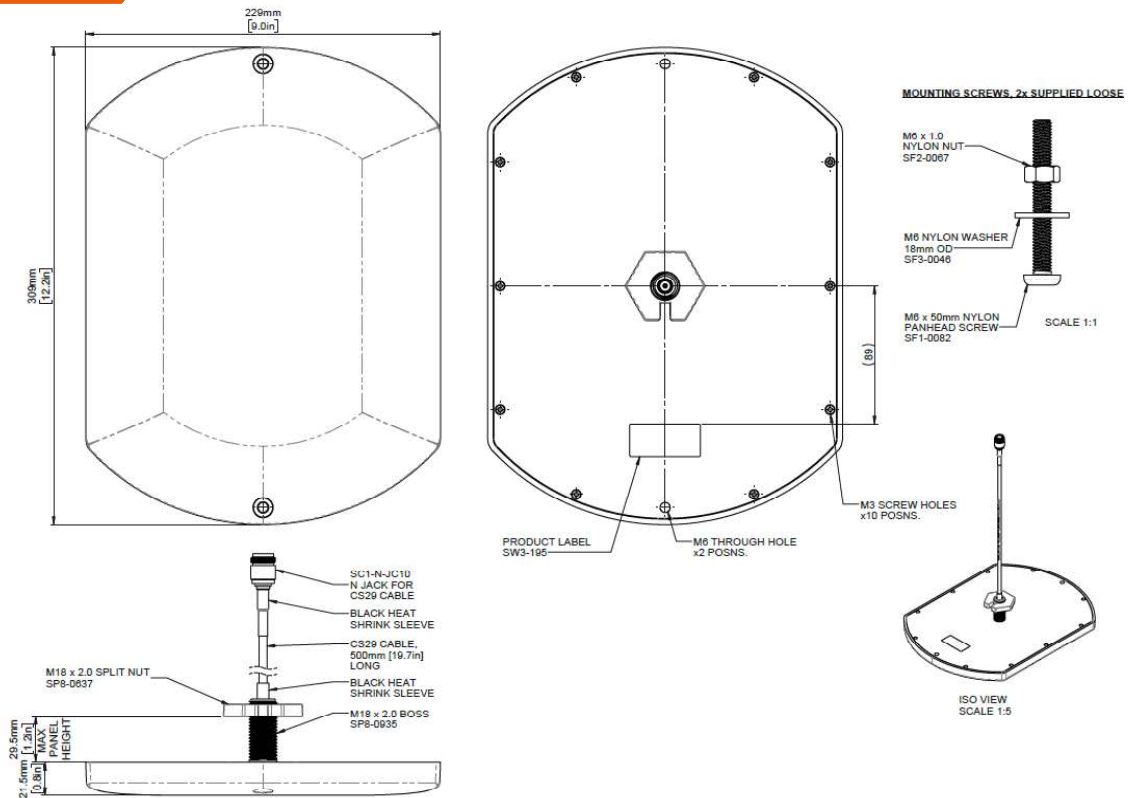
## Ultra Low Profile Siso UHF Ceiling Antenna Flame Retardant Materials

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



# Ultra Low Profile SiSo UHF Ceiling Antenna

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CMS-380-520-05NJ

## 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

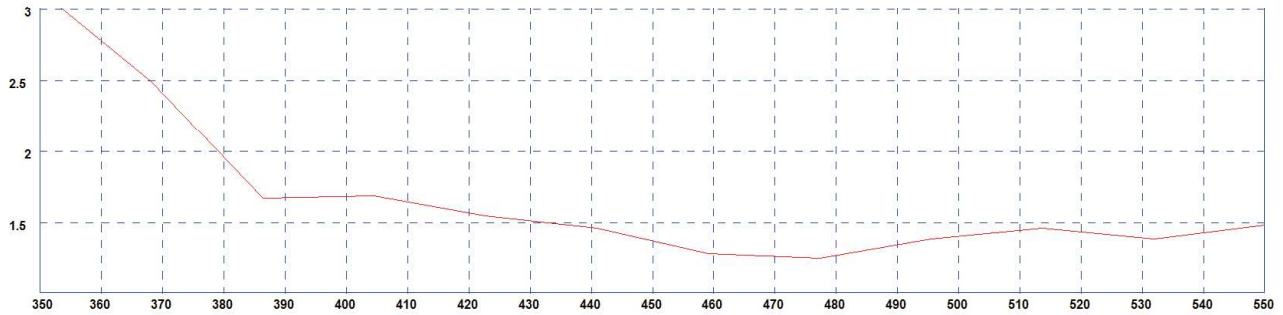
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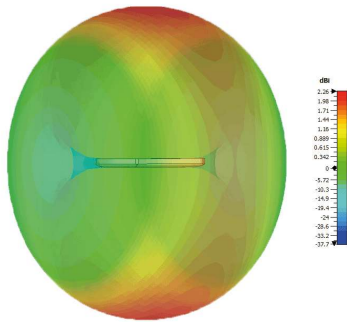
## Electrical Data

### Typical VSWR \*

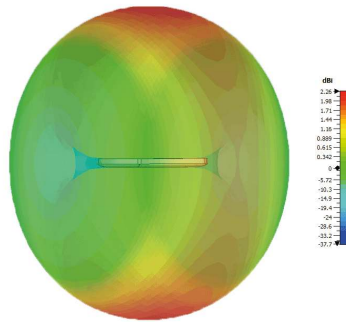


\* VSWR measured with 0.5m (1.5') of CS29 cable and no ground plane

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

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