

# Huber+Suhner 3G-5G Sencity Rail Antenna, 1x1 SISO

SKU: ANT-HS-00005

MPN: 1399.17.0122

## Description

The Huber+Suhner Sencity Rail Antenna, model 1399.17.0122, is a high-performance solution designed specifically for 3G to 5G applications in rail environments. Constructed from durable polycarbonate and aluminium, it boasts an IP69K rating, ensuring reliable operation in the harshest conditions, withstanding temperatures from -55°C to 85°C.

This 1x1 SISO antenna supports multi-band frequencies ranging from 694 MHz to 6425 MHz, making it versatile for various communication needs. It features a single N Female port with a straight connector, offering a 50  $\Omega$  impedance and handling up to 800 W of input power. Its vertical polarisation and peak gain values, ranging from 5.0 dBi to 8.5 dBi across different frequency bands, ensure optimal signal strength and clarity.

Certified for RoHS compliance and meeting IEC 60529 mechanical standards, this antenna is a testament to Huber+Suhner's commitment to quality and innovation. Ideal for integration...

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### Huber+Suhner

The global Swiss company HUBER+SUHNER develops and manufactures components and system solutions for electrical and optical transportation of data and energy. The company serves customers in the Communication, Transportation and Industrial markets with cables, connectors, cable systems, antennas and other passive components relying on its expertise in radio frequency, fiber optics and low frequency ...

# RF Specification

## Port 1: Multi-Band

Start Frequency:	694 MHz	Polarisation:	Vertical (V)
Stop Frequency:	6425 MHz	Input Impedance:	50
Max. Input Power:	800 W		

## RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
694 MHz	790 MHz	5 dBi	< 2:1
790 MHz	960 MHz	5 dBi	< 1.5:1
1350 MHz	1710 MHz	6 dBi	< 2.2:1
1710 MHz	2700 MHz	6 dBi	< 1.5:1
2700 MHz	3300 MHz	8.5 dBi	< 1.5:1
3300 MHz	4900 MHz	7 dBi	< 1.7:1
4900 MHz	6425 MHz	7.5 dBi	< 1.5:1

# Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	90 x 100 x 256
Input Ports:	1	Ingress Protection:	IP69K
MIMO:	1x1 SISO	Materials:	Polycarbonate (PC), Aluminium
Min. Operating Temperature:	-55 °C	Weight:	0.8 kg
Max. Operating Temperature:	85 °C	Compliance/Certifications:	RoHS
		Mechanical Compliance:	IEC 60529: IP Code

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