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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 Ω 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
Stop Frequency
6425 MHz
Max. Input Power
800 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-55 °C
Max. Operating Temperature
85 °C
Dimensions

90 x 100 x 256
Ingress Protection
IP69K
Materials
Polycarbonate (PC), Aluminium
Weight
0.8 kg
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code

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