

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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RF Specification

Port 1: Multi-Band

| | | | |
|-------------------|----------|--|--------------|
| Start Frequency: | 694 MHz | Polarisation: | Vertical (V) |
| Stop Frequency: | 6425 MHz | Input Impedance: | 50 Ω |
| Max. Input Power: | 800 W | The company HUBER+SUHNER 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 Connectors

Ports

1

RF Interface

N Female

Body Shape

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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