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Huber+Suhner 3G-4G Sencity Road Antenna, 2x2 MIMO

SKU
ANT-HS-00001
MPN
1399.99.0119

Description

The Huber+Suhner 3G-4G Sencity Road Antenna, featuring 2x2 MIMO technology, is designed for high-performance communication in challenging environments. This fin/stud/combo antenna, part number 1399.99.0119, is built with durable aluminium and ASA plastic, ensuring robustness and longevity. Certified to an IP69 ingress protection rating, it withstands extreme temperatures from -40°C to 85°C, making it ideal for demanding outdoor applications such as roadside installations and transportation systems.

With two input ports, the antenna supports 2 RF connections, providing reliable connectivity across a wide frequency range of 698 MHz to 2690 MHz. It delivers impressive RF performance with peak gains of up to 6.0 dBi and maintains inter-port isolation above 12 dB, ensuring minimal interference and optimal signal clarity. The antenna's 50 Ω impedance supports power inputs up to 80 W, making it suitable for high-capacity data transmission.

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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

Start Frequency
698 MHz
Stop Frequency
2690 MHz
Max. Input Power
80 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-316	170 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Inter-Port Iso.

698 MHz	790 MHz	4 dBi	< 2.2:1	> 12 dB
790 MHz	960 MHz	4 dBi	< 2:1	> 12 dB
1710 MHz	2170 MHz	6 dBi	< 2:1	> 15 dB
2400 MHz	2690 MHz	6 dBi	< 2:1	> 15 dB

Port 2

Start Frequency
698 MHz
Stop Frequency
2690 MHz
Max. Input Power
50 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-316	230 mm

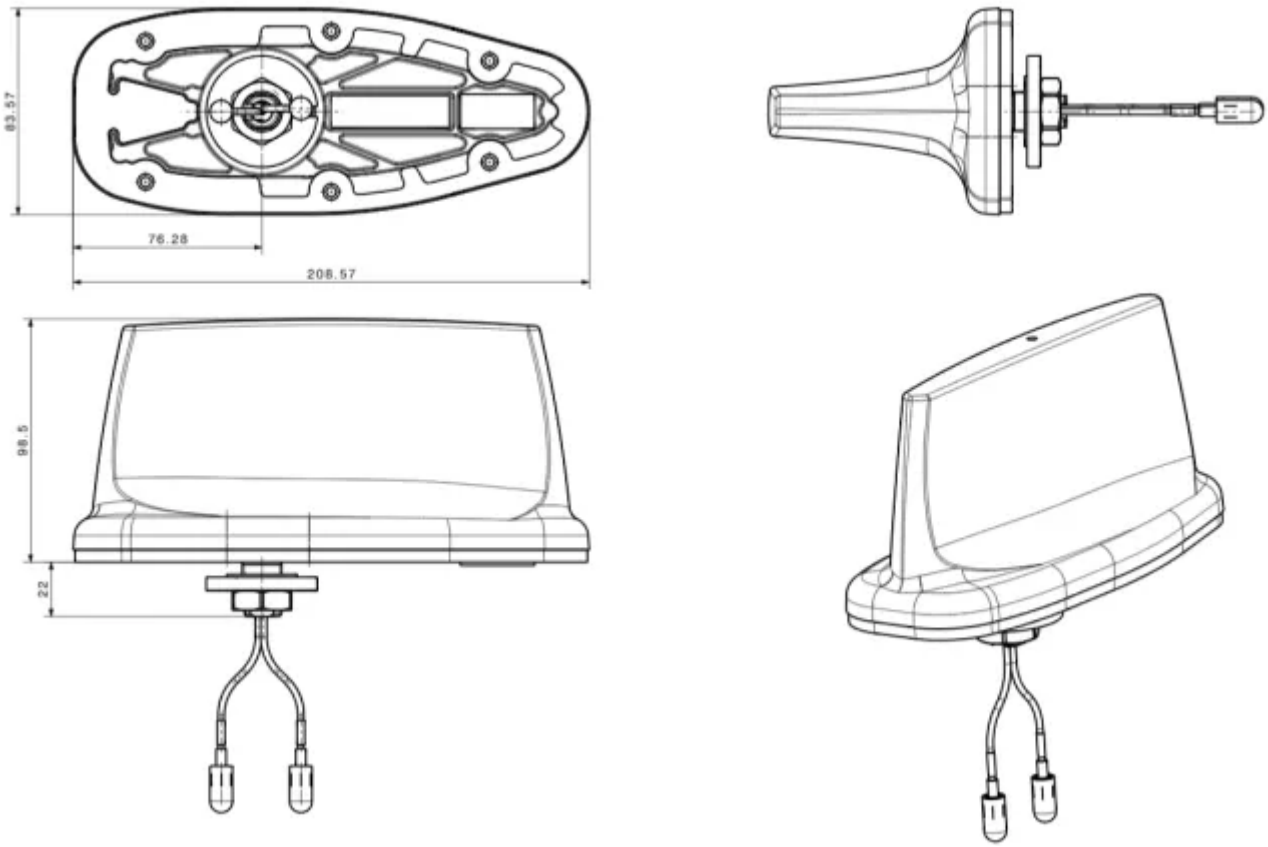
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Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C

Dimensions
88 x 83 x 208
Ingress Protection
IP69
Materials
Aluminium, ASA Plastic
Mounting
Stud / Bulkhead / Panel
Weight
0.4 kg
Compliance/Certifications
CE
Drawing



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