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Huber+Suhner 4G Sencity Omni Rail Antenna, 698 to 2600 MHz, SMA Male

SKU
ANT-HS-00013
MPN
1399.19.0225

Description

The Huber+Suhner 4G Sencity Omni Rail Antenna is designed for robust and reliable 4G LTE communication across extensive frequency ranges of 698 to 2600 MHz. This antenna is particularly suited for rail applications, ensuring seamless connectivity in challenging environments. Its omni-directional design allows for 360-degree signal coverage, making it ideal for both urban and rural deployments where consistent network access is crucial.

With a vertical polarisation and a peak gain of up to 5.0 dBi, it enhances signal strength and quality, thereby supporting high-speed data and voice services. The antenna's durable construction, featuring polycarbonate materials and an IP69K ingress protection rating, ensures it can withstand extreme temperatures and harsh weather conditions, making it suitable for both indoor and outdoor installations.

Its single-input port with a 50 Ω impedance and SMA male connector simplifies integration with existing...

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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

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

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
698 MHz	862 MHz	2 dBi	< 1.8:1	360°
1710 MHz	2170 MHz	5 dBi	< 1.8:1	360°
2300 MHz	2690 MHz	3 dBi	< 1.8:1	360°

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-55 °C
Max. Operating Temperature
85 °C
Dimensions
33.2 x 145 (H x Dia)
Ingress Protection
IP69K
Materials
Polycarbonate (PC)
Weight
0.3 kg
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist
,
IEC 60529: IP Code
,
IEC 60068-2-14: Change of Temperature

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