

Sencity Road MIMO Antenna 1399.99.0119

SWA-0727/360/4/10/MIMO

Description

Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck.
 Supports 2G/3G/4G cellular bands in 2x2 MIMO configurations.
 Single hole mounting, easy cabling feed-through.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 790	790 - 960	1710 - 2170	2400 - 2690
VSWR	2.2	2	2	2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	4	4	6	6
Port Isolation (dB)	12	12	15	15

Ports

	Port 1	Port 2
Connector	SMA, plug (male)	SMA, plug (male)
Cable Type	ENVIROFLEX_316	ENVIROFLEX_316
Cable Length (m)	0.3	0.3
Polarization	vertical	vertical

Connections

	Band 1	Band 2	Band 3	Band 4
Port 1	X	X	X	X
Port 2	X	X	X	X

General Data

Composite Power max (W) 10

Indicated VSWR values are valid for a metallic ground plane of 0.75 x 0.75m or larger. In the 790-5935 MHz band, indicated VSWR values are also valid for installations on non-metallic surfaces (no specific ground plane requirements).

Mechanical Data

Dimensions (mm) 88 x 83 x 208 (Height x Width x Depth)
 Weight (kg) 0.4

Mounting breakthrough Ø30mm

Environmental Data

Environmental conditions outdoor
 Operation temperature (°C) -40 to 85
 Storage temperature (°C) -40 to 85
 Transport temperature (°C) -40 to 85
 Solar radiation DIN 75220
 RoHS 2011/65/EC compliant

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REACH 2006/1907/EC compliant

IP Rating: IP 69K, IP 68
Flammability: materials chosen acc. to UL 94-HB
Environmental tests: ISO 16750:2010
Low corrosion design acc. to MIL-F-14072D.
E-Mark and CE-Mark.

Material Data

Radome colour	RAL 7043 (dark grey)
Radome material	ASA (acrylic ester-styrene-acrylonitrile)
Back plate/base plate material	Aluminium

Related Products

9091.99.0250 Metal ground plane foil 0.6x0.6m

Related Documents

Mounting instruction	DOC-0000361395
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00275588
3D-model	DOC-0000470978