DATA SHEET

SENCITY® Spot-M SISO WiFi Antenna

1324.17.0051

Properties

- Directional high gain antenna for Wi-Fi 1/Wi-Fi 3 bands
- Supports from 2.3 GHz to 2.7 GHz frequency bands
- Half power beamwidth of 32° (vertical) and 32° (Horizontal)
- For both indoor and outdoor mounting with IP rating IP67
- Integrated N female interface

Electrical bands			
	Band 1	**Band 2**	**Band 3**
Frequency	2300 MHz ... 2400 MHz	2400 MHz ... 2500 MHz	2500 MHz ... 2700 MHz
VSWR	1.9	1.9	1.9
Impedance	50 Ω	50 Ω	50 Ω
Gain	14 dBi	14.5 dBi	15 dBi
HPBW vertical	32 °	32 °	32 °
HPBW horizontal	32 °	32 °	32 °
Vertical Electrical Tilt	0 °	0 °	0 °
Front to back ratio	26 dB	26 dB	26 dB
Ambient Temperature	25 °C		
Composite Power max	6 W		
Side Lobe Suppression horizontal	ETSI EN 301 525 V1.1.1 (2000-06)		
Side Lobe Suppression vertical	ETSI EN 301 525 V1.1.1 (2000-06)		

Ports	
	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

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Mechanical data	
Weight	0.5 kg
Dimensions	190 mm x 190 mm x 30 mm (Heigth x Width x Depth)
Windload	front: 105 N at 160 km/h, lateral: 16 at 160 km/h, Wind Speed survival: 220 km/h

Interface and material data	
Radome material	Plastic
Radome colour	RAL 9002 (grey-white)
Back plate/base plate material	Aluminum

Environmental data	
Operation temperature	-45 °C ... 71 °C
Storage temperature	-45 °C ... 71 °C
Transport temperature	-55 °C ... 71 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB

Environmental remarks
Humidity ETSI EN300-2-4 T4.1E 144h 95% Solar radiation ASTM G53 1000 h Salt spray IEC 60068-2-11 Ka 500 h Mechanical shock IEC 60721-3-4 4M5 Vibration IEC 60721-3-4 30 min/axis random 4M5 Low temperature IEC 60068-2-1 72h -55°C High temperature IEC 60068-2-2 72h +71°C Temperature cycling IEC 60068-2-14 1h -45 to +70°C 3 cycles

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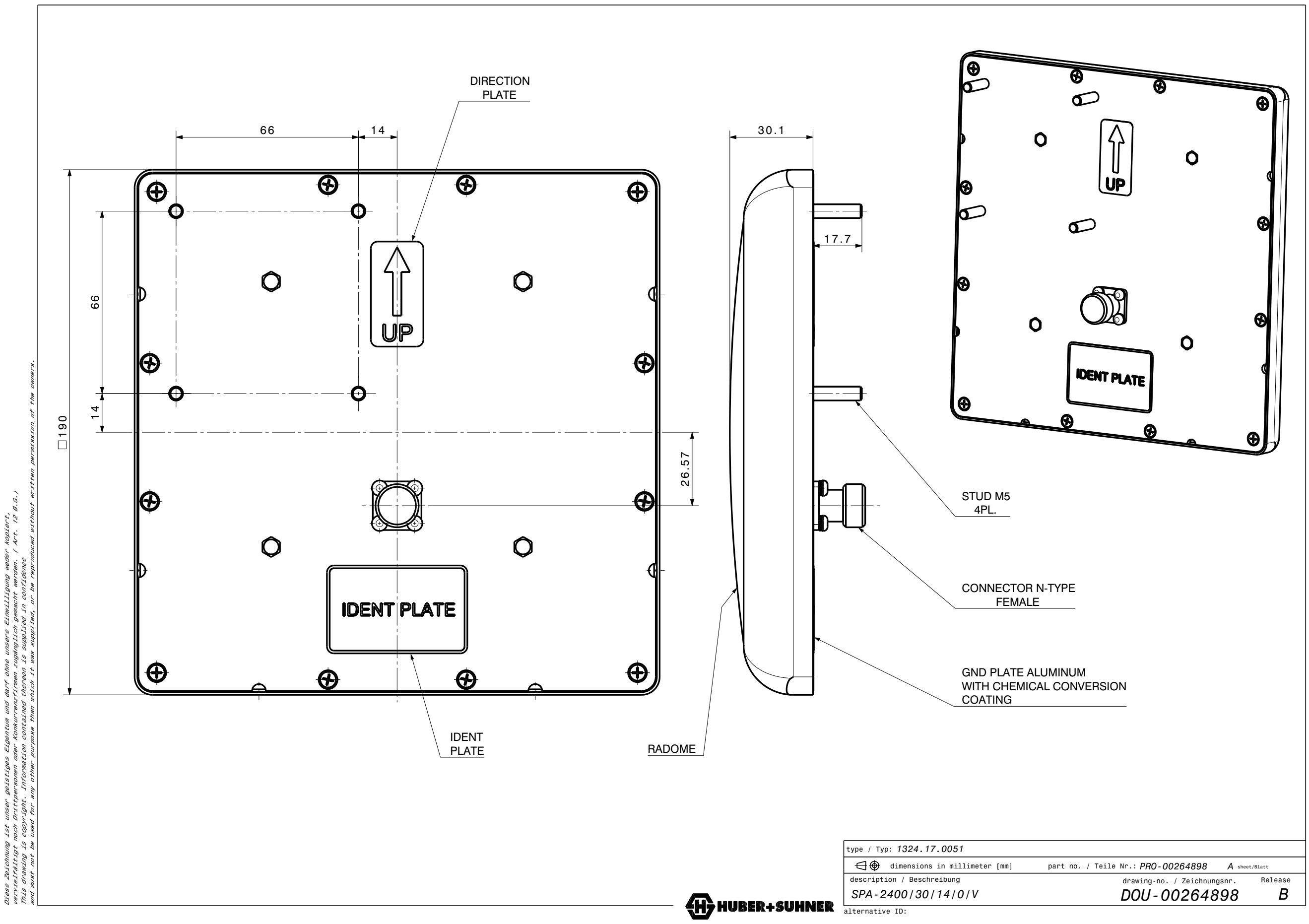
Outline drawing



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