



# HUBER+SUHNER® PLANAR ANTENNA FOR WIRELESS COMMUNICATION

## SPA 2456/75/9/0/DF

### Technical Data

#### Electrical Properties

Frequency range	2400 - 2500 MHz	5150 - 5875 MHz
Impedance	50 Ω	
VSWR	1.5	1.5
Polarization	linear, vertical	
Gain	9 dBi	9 dBi
3 dB beamwidth horizontal	75°	55°
3 dB beamwidth vertical	55°	55°
Front to back ratio	15 dB	15 dB
Isolation between ports	25 dB	30 dB
Max. power	10 W (CW) at 25°C	

#### Mechanical Properties

Dimensions	101 x 95 x 32 mm (3.98" x 3.74" x 1.26")	
Weight	0.11 kg (0.24 lbs.)	
Housing material	ASA and aluminium	
Radome material	ASA	
Radome color	RAL 7035 (light grey)	
Mounting bracket color	RAL 7042 (dark grey)	
Operating temperature range	- 40°C to + 80°C	
Storage temperature range	- 40°C to + 80°C	
Windload	15 N at 160 km/h (100 mph)	

#### Available Types

	Article no.	
1399.19.0025	84006786	SMA female, excl. 2.4/5.6 GHz diplexer
1399.19.0026	84006788	SMA female, incl. 2.4/5.6 GHz diplexer
1399.19.0029	84019288	SMA female, incl. diplexer, DC ground
1399.26.0041	84006789	TNC female, excl. 2.4/5.6 GHz diplexer
1399.26.0042	84006790	TNC female, incl. 2.4/5.6 GHz diplexer
1399.30.0001	84010815	QN female, excl. 2.4/5.6 GHz diplexer

#### Mounting Hardware

	Article no.	
9091.99.0029	22649576	mast mounting accessory
9091.99.0080	22652651	mast mounting and sidetilt accessory

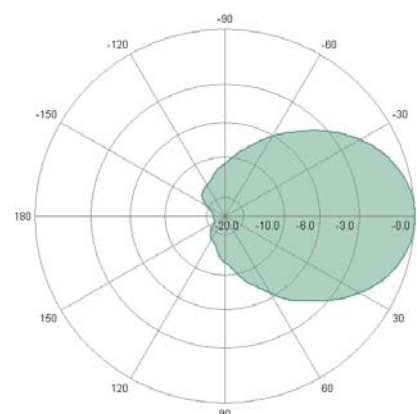
Wall mounting material included.

#### Documents

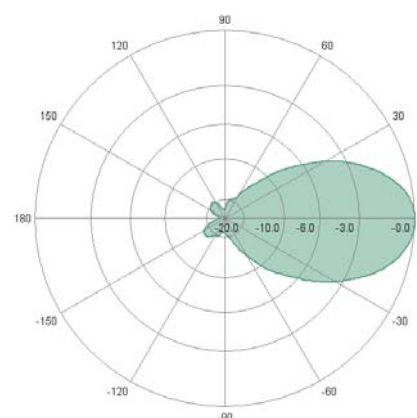
01.02.0777	security instruction
01.02.1509	mounting instruction



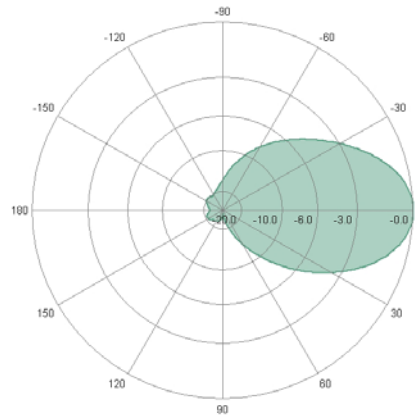
### Radiation Pattern



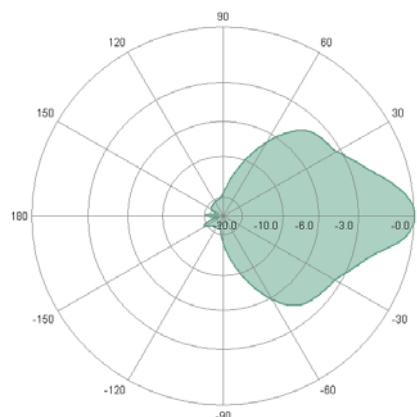
horizontal 2450 MHz



vertical 2450 MHz



horizontal 5600 MHz



vertical 5600 MHz

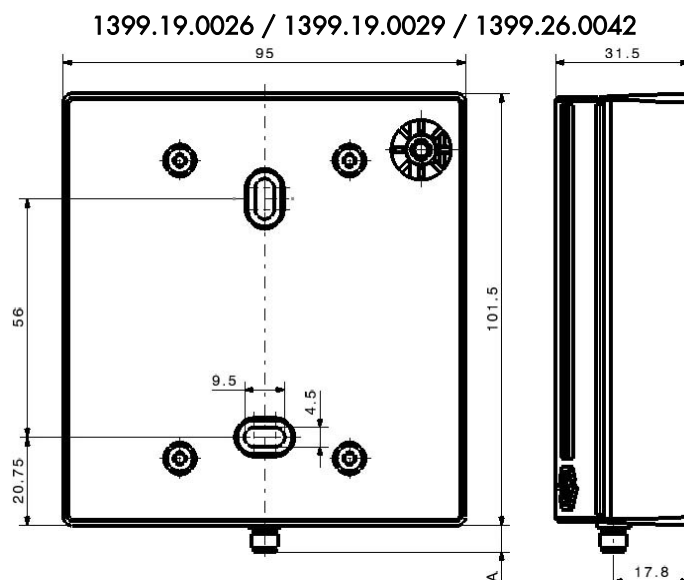
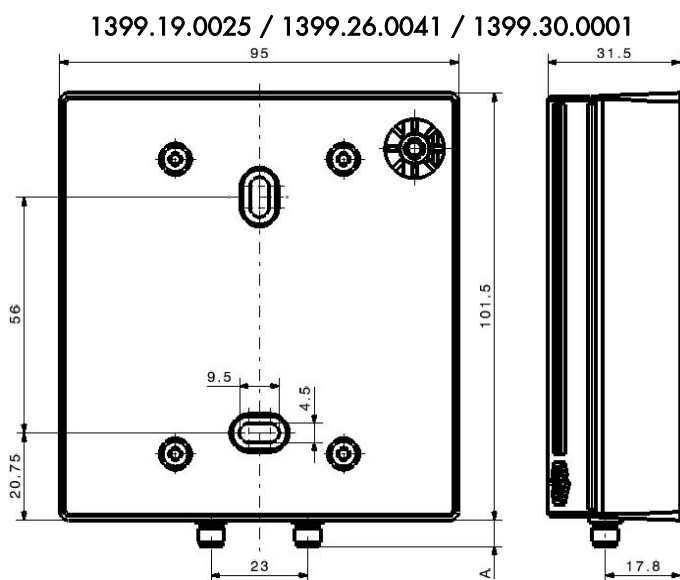


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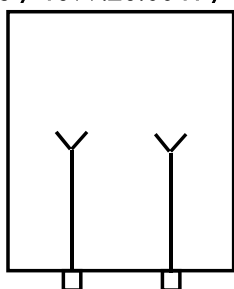
## SPA 2456/75/9/0/DF

### Dimensions (mm)

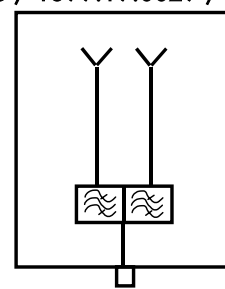
Connector type	A
SMA female	6.2
TNC female	12.1
QN female	15.7



Circuit Diagram  
1399.19.0025 / 1399.26.0041 / 1399.30.0001



Circuit Diagram  
1399.19.0026 / 1399.19.0029 / 1399.26.0042



HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

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### HUBER+SUHNER – Excellence in Connectivity Solutions

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