

Directional Antenna Vertical Polarization

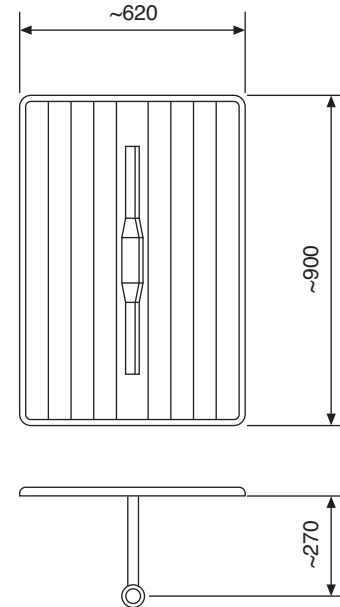
225–400

V

KATHREIN
Antennen · Electronic

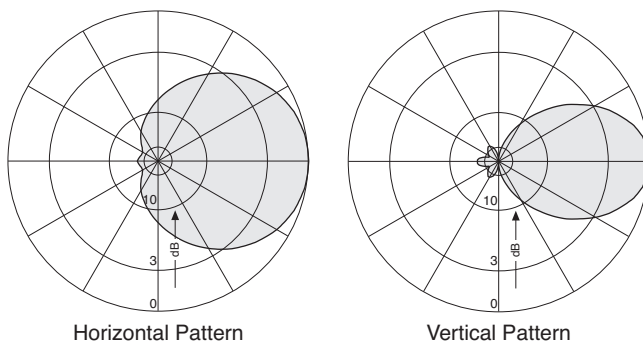
Panel antenna for UHF ground-to-air communication

Type No.	719940
Frequency range	225 – 400 MHz
Polarization	Vertical
Gain (ref. $\lambda/2$ dipole)	
225 MHz	4.8 dB
300 MHz	4.8 dB
400 MHz	4.4 dB
Horizontal Half-power beam width	111° (at 300 MHz)
Impedance	50 Ω
VSWR	< 2.0
Max. power per input	300 W (at 50 °C ambient temperature)



All dimensions in mm

300 MHz:



Horizontal Pattern

Vertical Pattern

Mechanical specifications	
Input	N female
Weight	9 kg
Wind load	220 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	Approx. 900 / 620 / 270 mm

936.3884/a Subject to alteration.

All specifications are subject to change without notice.
The latest specifications are available at www.kathreinusa.com

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Material:	Galvanized steel pipe. Weather protection: Fiberglass.
Mounting hardware:	Via mounting plate by using clamp K611402 (optional).
Lightning protection:	All metal parts of the antenna are DC grounded.

Please note:

As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

The mechanical design is based on the environmental conditions as stipulated in ETS 300 019-1-4 and thereby respects the static mechanical load imposed on an antenna by wind at maximum velocity. Wind loads are calculated according to DIN 1055-4. Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of an antenna or even cause it to fall to the ground. These facts must be considered during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

The details given in our data sheets have to be followed carefully when installing the antennas and accessories.

The limits for the coupling torque of RF-connectors, recommended by the connector manufacturers must be obeyed.

Any previous datasheet issues have now become invalid.

