

Panel
Vertical Polarization
Half-power Beam Width

380–430

V

115°

KATHREIN

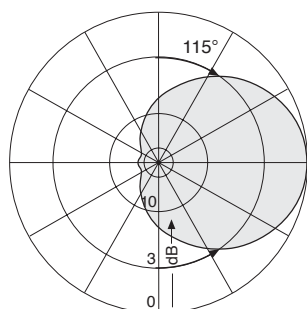
Antennen · Electronic

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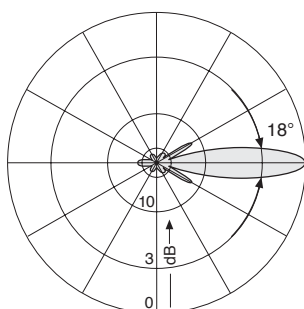
VPol Panel 380–430 115° 11.5dBi

Type No.	739506
Frequency range	380 – 430 MHz
Polarization	Vertical
Gain	11.5 dBi
Half-power beam width	H-plane: 115° E-plane: 18°
Front-to-back ratio	> 18 dB
Impedance	50 Ω
VSWR	< 1.5
Intermodulation IM3	< -150 dBc (2 x 43 dBm carrier)
Max. power	500 W (at 50 °C ambient temperature)

- Material:** Reflector screen: Weather-resistant aluminum.
 Radome: Fiberglass, colour: Grey.
 All screws and nuts: Stainless steel.
- Attachment:** See the “Mechanical Accessories” part of this catalogue.
- Ice protection:** Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.
- Grounding:** All metal parts of the antenna including the mounting kit and the inner conductor are DC grounded.



Horizontal Pattern



Vertical Pattern

Mechanical specifications

Input	7-16 female
Connector position	Rearside
Wind load	Frontal: 550 N (at 150 km/h) Lateral: 250 N (at 150 km/h) Rearside: 930 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	1934 / 258 / 103 mm
Category of mounting hardware	M (Medium)
Weight	9 kg
Packing size	2062 x 272 x 160 mm