

Panel
Vertical Polarization
Half-power Beam Width

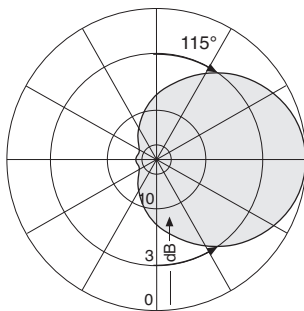
380–430

V

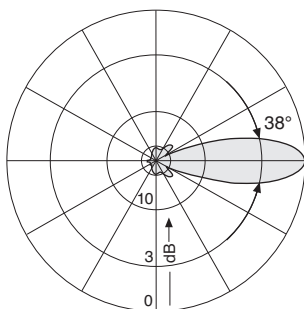
115°

VPol Panel 380–430 115° 8.5dBi

Type No.	739504
Frequency range	380 – 430 MHz
Polarization	Vertical
Gain	8.5 dBi
Half-power beam width	Horizontal: 115° Vertical: 38°
Front-to-back ratio	> 18 dB
Impedance	50 Ω
VSWR	< 1.5
Intermodulation IM3	< -150 dBc (2 x 43 dBm carrier)
Max. power per input	500 W (at 50 °C ambient temperature)



Horizontal Pattern



Vertical Pattern

Mechanical specifications

Input	1 x 7-16 female
Connector position	Bottom
Wind load	Frontal: 260 N (at 150 km/h) Lateral: 120 N (at 150 km/h) Rearside: 420 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	974 / 258 / 103 mm
Category of mounting hardware	M (Medium)
Weight	4.5 kg
Packing size	1102 x 272 x 160 mm

936.1492/d Subject to alteration.

Accessories (order separately)

Type No.	Description	Remarks	Weight approx.	Units per antenna
731651	1 clamp	Mast: 28 – 60 mm diameter	0.8 kg	2
738546	1 clamp	Mast: 42 – 115 mm diameter	1.1 kg	2
85010002	1 clamp	Mast: 110 – 220 mm diameter	2.7 kg	2
85010003	1 clamp	Mast: 210 – 380 mm diameter	4.8 kg	2
737978	1 downtilt kit	Downtilt angle: 0° – 21°	2.3 kg	1

For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.
Wall mounting: No additional mounting kit needed.

Material:

Radiator: Silver-plated copper.

Reflector screen: Weather-proof aluminum.

Fiberglass radome: The grey fiberglass radomes of these antennas are very stable and extraordinarily stiff. They are resistant to ultraviolet radiation and can also be painted to match their surroundings.

All screws and nuts: Stainless steel.

Grounding:

The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.

