

F-Panel

Vertical Polarization

Half-power Beam Width

900

V

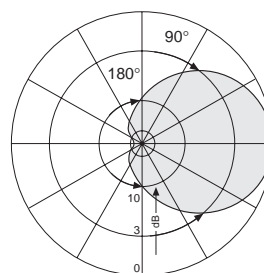
90°

KATHREIN

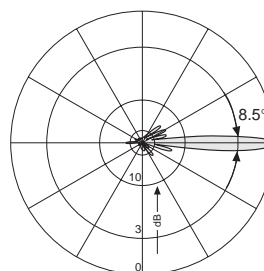
Antennen · Electronic

VPol F-Panel 900 90° 15.5dBi

Type No.	736 863
Frequency range	872 – 960 MHz
Polarization	Vertical
Gain	15.5 dBi
Half-power beam width	H-plane: 90° E-plane: 8.5°
Sidelobe suppression	above horizon for first sidelobe better or equal 14 dB below maximum gain
Front-to-back ratio	> 20 dB
Impedance	50 Ω
VSWR	< 1.3
Intermodulation IM3 (2 x 43 dBm carrier)	< -150 dBc
Max. power	400 Watt (at 50 °C ambient temperature)
Input	7-16 female
Connector position	Bottom or top
Weight	6.8 kg
Wind load	Frontal: 380 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	1942 / 155 / 49 mm



Horizontal Pattern



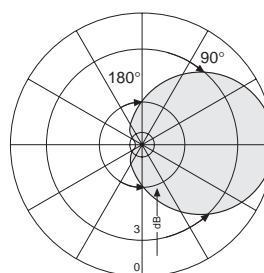
Vertical Pattern

first null-fill below horizon
better or equal to -25 dB
below maximum gain

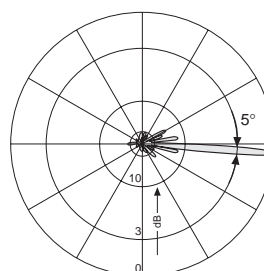


VPol F-Panel 900 90° 15.5dBi 5°T

Type No.	736 864
Frequency range	872 – 960 MHz
Polarization	Vertical
Gain	15.5 dBi
Half-power beam width	H-plane: 90° E-plane: 8.5°
Electrical downtilt	5°, fixed
Front-to-back ratio	> 20 dB
Impedance	50 Ω
VSWR	< 1.3
Intermodulation IM3 (2 x 43 dBm carrier)	< -150 dBc
Max. power	400 Watt (at 50 °C ambient temperature)
Input	7-16 female
Connector position	Bottom
Weight	6.8 kg
Wind load	Frontal: 380 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	1942 / 155 / 49 mm



Horizontal Pattern



Vertical Pattern
5° electr. downtilt

