

Multi-band Antenna
Vertical Polarization
Half-power Beam Width
Fixed Electrical Downtilt

1710–2180

V

12°

0°

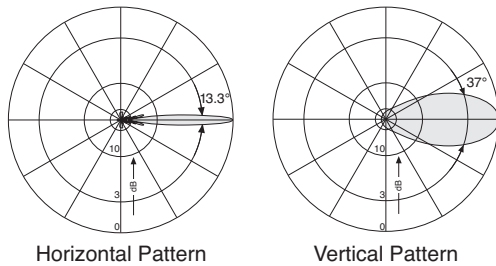
KATHREIN

Antennen · Electronic

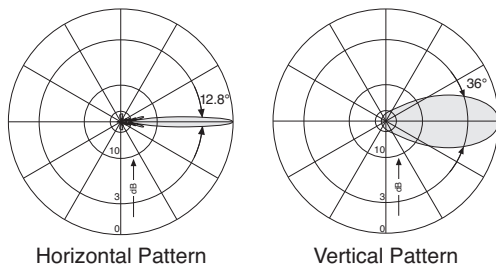
VPol Panel 1710–2180 12° 18.5dBi 0°T

Type No.	80010368		
Frequency range	1710 – 1880 MHz	1710–2180 1850 – 1990 MHz	1920 – 2180 MHz
Polarization	Vertical	Vertical	Vertical
Gain	18.1 dBi	18.4 dBi	18.7 dBi
Horizontal Pattern:			
Half-power beam width	13.3°	12.8°	12°
Front-to-back ratio (180°±30°)	> 30 dB	> 30 dB	> 30 dB
Sidelobe suppression	> 18 dB	> 18 dB	> 17 dB
Vertical Pattern:			
Half-power beam width	37°	36°	36°
Electrical tilt		0°, fixed	
Sidelobe suppression for first sidelobe above main beam	> 18 dB	> 18 dB	> 18 dB
Impedance	50 Ω		
VSWR	< 1.5		
Intermodulation IM3	< -150 dBc (2 x 43 dBm carrier)		
Max. power per input	300 W (at 50 °C ambient temperature)		

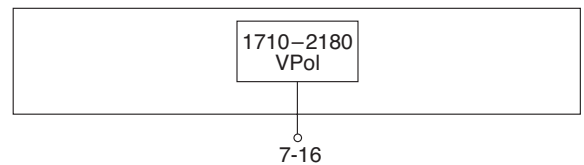
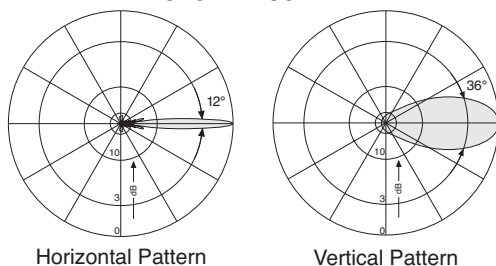
1710 – 1880 MHz



1850 – 1990 MHz



1920 – 2180 MHz



Mechanical specifications

Input	1 x 7-16 female
Connector position	Side (see picture)
Wind load	Frontal: 340 N (at 150 km/h) Lateral: 25 N (at 150 km/h) Rearside: 400 N (at 150 km/h)
Max. wind velocity	200 km/h
Height/width/depth	299 / 743 / 69 mm
Weight	9 kg
Packing size	442 x 852 x 124 mm

936.2945/c Subject to alteration.

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

