

# A-Panel

## Dual Polarization

### Half-power Beam Width

806–960

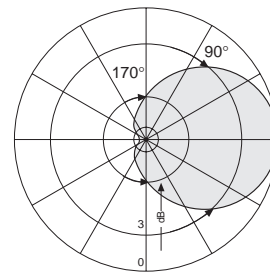
X

90°

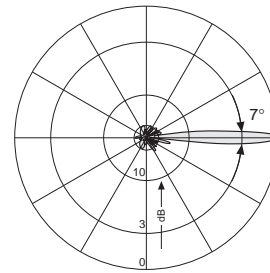
**KATHREIN**  
Antennen · Electronic

#### XPol A-Panel 806–960 90° 17dBi

Type No.	<b>739 650</b>	
Frequency range	<b>806–960</b>	
	806 – 880 MHz	880 – 960 MHz
Polarization	+45°, –45°	+45°, –45°
Gain	2 x 16.5 dBi	2 x 17 dBi
Half-power beam width Copolar +45°/–45°	Horizontal: 90° Vertical: 7.5°	Horizontal: 90° Vertical: 7°
Sidelobe suppression for first sidelobe above horizon	≥ 15 dB	
Front-to-back ratio, copolar	> 25 dB	
Isolation	> 32 dB	
Impedance	50 Ω	
VSWR	< 1.5	
Intermodulation IM3 (2 x 43 dBm carrier)	< –150 dBc	
Max. power per input	600 Watt (at 50 °C ambient temperature)	
Input	2 x 7-16 female	
Connector position	Bottom or top	
Weight	19 kg	
Wind load	Frontal: 470 N (at 150 km/h)	
Max. wind velocity	200 km/h	
Height/width/depth	2580 / 262 / 116 mm	

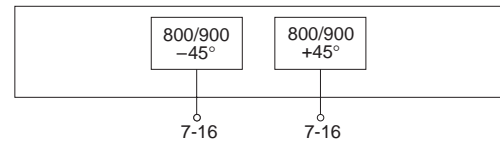


Horizontal Pattern



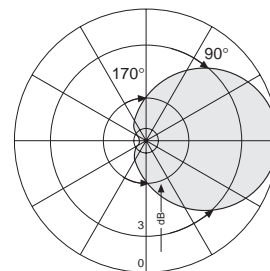
Vertical Pattern

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

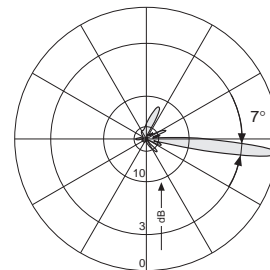


#### XPol A-Panel 806–960 90° 17dBi 6°T

Type No.	<b>739 662</b>	
Frequency range	<b>806–960</b>	
	806 – 880 MHz	880 – 960 MHz
Polarization	+45°, –45°	+45°, –45°
Gain	2 x 16.5 dBi	2 x 17 dBi
Half-power beam width Copolar +45°/–45°	Horizontal: 90° Vertical: 7.5°	Horizontal: 90° Vertical: 7°
Electrical tilt	6°, fixed	
Sidelobe suppression for first sidelobe above horizon	≥ 16 dB	
Front-to-back ratio, copolar	> 25 dB	
Isolation	> 32 dB	
Impedance	50 Ω	
VSWR	< 1.5	< 1.3
Intermodulation IM3 (2 x 43 dBm carrier)	< –150 dBc	
Max. power per input	600 Watt (at 50 °C ambient temperature)	
Input	2 x 7-16 female	
Connector position	Bottom	
Weight	19 kg	
Wind load	Frontal: 470 N (at 150 km/h)	
Max. wind velocity	200 km/h	
Height/width/depth	2580 / 262 / 116 mm	



Horizontal Pattern



Vertical Pattern  
6° electr. downtilt

