

2-Multi-band Panel

Dual Polarization

Half-power Beam Width

1710–2170 1710–2170

X X

65° 65°

KATHREIN

Antennen · Electronic

XXPol Panel 1710–2170/1710–2170 65°/65° 15/15dBi 0°–10°/0°–10°T

Type No.	742233v01		
	clamps included		
	1710–2170		
Frequency range	1710 – 1880 MHz	1850 – 1990 MHz	1920 – 2170 MHz
Polarization	+45°, –45°; +45°, –45°	+45°, –45°; +45°, –45°	+45°, –45°; +45°, –45°
Gain	4 x 15 dBi	4 x 15.2 dBi	4 x 15.3 dBi
Horizontal Pattern:			
Half-power beam width	67°	65°	62°
Front-to-back ratio	Copolar: > 25 dB Total power: > 25 dB	Copolar: > 25 dB Total power: > 25 dB	Copolar: > 25 dB Total power: > 25 dB
Cross polar ratio			
Main direction	Typically: 20 dB	Typically: 20 dB	Typically: 20 dB
Sector	±60° Typically: 10 dB	Typically: 10 dB	Typically: 10 dB
Vertical Pattern:			
Half-power beam width	14°	13.7°	13°
Electrical tilt	0°–10°, continuously adjustable		
Sidelobe suppression for first sidelobe above main beam	0° ... 4° ... 8° ... 10° T 16 ... 16 ... 15 ... 15 dB	0° ... 4° ... 8° ... 10° T 16 ... 16 ... 16 ... 16 dB	0° ... 4° ... 8° ... 10° T 16 ... 16 ... 16 ... 16 dB
VSWR	< 1.5		
Isolation, between ports	> 30 dB		
Intermodulation IM3	< –150 dBc (2 x 43 dBm carrier)		
Max. power per input	250 W (at 50 °C ambient temperature)		
Input	4 x 7-16 female		
Connector position	Bottom		
Adjustment mechanism	2x, Position bottom continuously adjustable		
Wind load (at 150 km/h)	Frontal / lateral / rearside: 350 / 85 / 370 N		
Height/width/depth	679 / 323 / 71 mm		
Category of mounting hardware	M (Medium)		
Weight	11 kg / 13 kg (clamps incl.)		
Scope of supply	Panel and 2 units of clamps for 50 – 115 mm diameter		

