

XXXXXX Pol Panel Antenna 2×698-960/4×1710-2690MHz 65°/65° 14.5/17.5dBi 2°-12°/2°-12°

Replaceable RET

Electrical Specifications

Frequency Range (MHz):	698-960(R1,R2)			1710-2690(Y1,Y2,Y3,Y4)		
	698-806	806-880	880-960	1710-2170	2300-2490	2490-2690
Gain (dBi):	13.5±0.5	14.0±0.5	14.5±0.5	16.6±0.5	17.2±0.5	17.5±0.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB Beamwidth (°):	68	64	62	68	65	58
Vertical 3dB Beamwidth (°):	14.5	13.0	12.0	7.5	6.0	5.5
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable					
1 st Upper Sidelobe Suppression (dB):	15	15	15	15	15	15
Front to Back Ratio (dB):	22	23	24	25	25	25
Cross Polar Ratio 0°(dB):	15	15	15	15	15	15
Intraband Isolation (dB):	>25					
Interband Isolation (dB):	>25					
Total Power for the Antenna (W)	250			200		
Intermodulation IM3 (dBc):	<-153(2×43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	12×4.3-10 Female					

Mechanical Data

Antenna Dimensions (mm):	1495×469×200
Packing Dimensions (mm):	1755×555×290
Antenna Net Weight /Bracket (kg):	30/5.9
Antenna Gross Weight (kg):	41
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069351 ,Adjustable Downtilt 0°-16°

**Environmental Ratings**

Humidity:	95%RH@+30℃
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside:890/197/962
Max. Wind velocity(km/h):	200

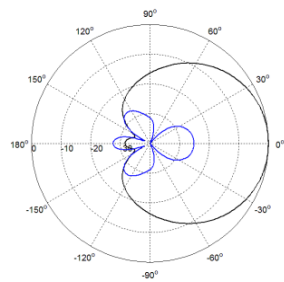
Internal RET Specifications

RET type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated ,single RET) < 1 (stand by,single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

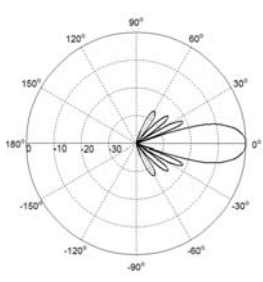
Typical PatternsP

Product Data Sheet

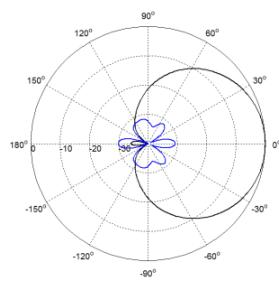
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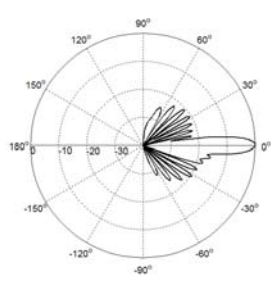
Azimuth(Low band)



Elevation(Low band)



Azimuth(High band)



Elevation(High band)

Typical Patterns

Frequency range	Array	Connector
698–960 MHz	R1	1-2
698–960 MHz	R2	3-4
1710–2690 MHz	Y1	5-6
1710–2690 MHz	Y2	7-8
1710–2690 MHz	Y3	9-10
1710–2690 MHz	Y4	11-12

