

DP-2M4J2Z00-F4A Data Sheet v0.4

XXXXXXXXX Pol,698-896/698-896/1695-2690/1695-2690/1695-2690/1695-2690/3300-4200/3300-4200MHz
 65/65/65/65/65/65/65/65/65 Horizontal Beamwidth,10/10/14/14/14/14/11/11dB
 E-tilt:4/4/4/4/4/4/0/0
 0.6m 16-Port 2L4M2H Antenna

Electrical Properties(BASTA 11.1)

Frequency Band(MHz)	698-896(R1,R2)		1695-2690(Y1,Y2,Y3,Y4)		
	698-806	822-896	1695-2200	2300-2400	2490-2690
Polarization	±45°		±45°		
Gain(dBi)	9.6±0.7	9.9±0.5	12.5±0.5	13.3±0.5	13.4±0.5
Horizontal 3dB Beam Width(°)	80±6	74±6	63±5	65±5	70±5
Vertical 3dB Beam Width(°)	41±4	38±4	18±2	17±2	14±2
Front to Back Ratio at 180±30°(dB)	20		25		
Cross Polar Ratio at 0°(dB)	15		15		
Cross Polar Ratio Sector ±60°(dB)	10		10		
Downtilt(°)	4		4		
VSWR	< 1.5		< 1.5		
Cross-polar Isolation(dB)	>25		>25		
Interband Isolation(dB)	>20				
3rd Order PIM(dBc) @2 x 43dBm	< -153		< -153		
Impedance(Ω)	50		50		
Power Handling(W)	80		80		

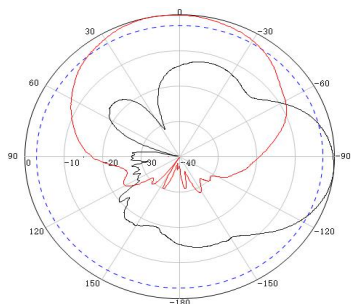
Frequency Band(MHz)	3300-4200(P1,P2)		
	3300-3550	3550-3700	3700-4200
Polarization	±45°		
Gain(dBi)	10.2±0.5	10.5±0.5	10.8±0.5
Horizontal 3dB Beam Width(°)	70±5	65±5	60±5
Vertical 3dB Beam Width(°)	31±3	29±3	27±3
Front to Back Ratio at 180±30°(dB)	24		
Cross Polar Ratio at 0°(dB)	15		
Cross Polar Ratio Sector ±60°(dB)	10		
Downtilt(°)	0		
VSWR	< 1.5		
Cross-polar Isolation(dB)	>25		
Interband Isolation(dB)	>20		
3rd Order PIM(dBc) @2 x 43dBm	< -145		
Impedance(Ω)	50		
Power Handling(W)	50		

Mechanical Specifications	
Antenna Dimensions (HxWxD) (mm)	600 x 499 x 199
Packing Dimensions (HxWxD) (mm)	815 x569 x279
Lightning Protection	DC Ground
Antenna Weight (kg)	11.5
Packed Weight (kg)	18.5
Connector	16 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	411/432/172
Maximum Wind Speed(km/h)	241
Diameter of Installation Pole(mm)	Φ50-Φ114
Operating Temperature Range(°C)	-40+65
RET Type	/
RET Protocols	/

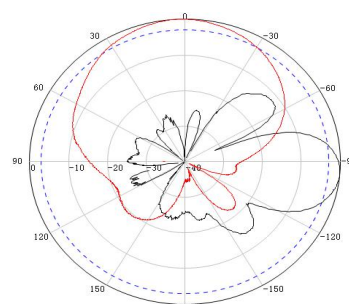


Pattern sample for reference

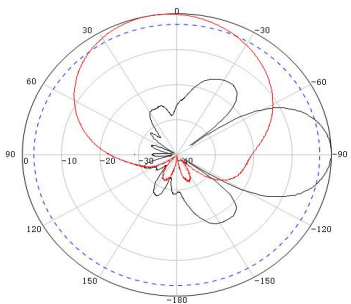
698-896(R1,R2)



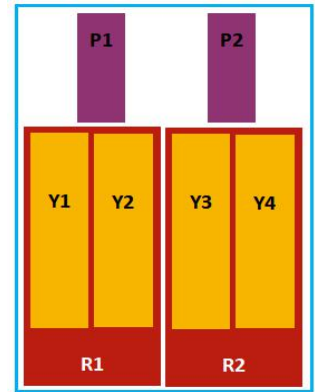
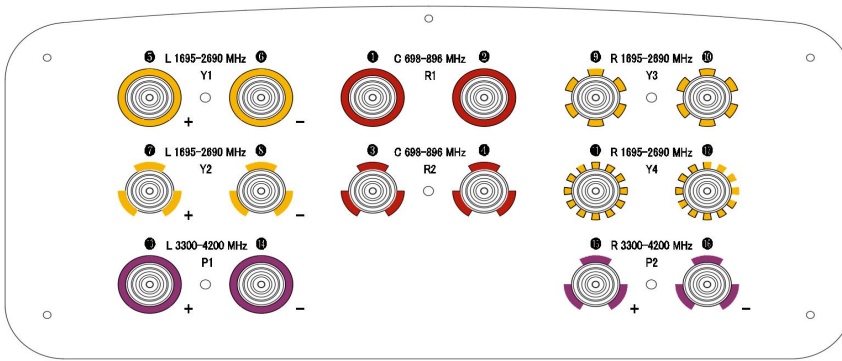
1695-2690(Y1,Y2,Y3,Y4)



3300-4200(P1,P2)



Layout of interface



Accessories

Item	Model	Weight	Mechanical Tilt Range	Quantity
Mounting Kit	MJM-022-1101A	5.5kg	0-10°	1