

MA-PBSA56-DP21 **Preliminary**

4.9-6.1 GHz Passive Antenna For Beam Steering, Azimuth Scan

- Array antenna for Beam Steering Applications
- Dual polarized antenna four columns each.
 - Azimuth scan



Specifications

Electrical	
Individual Column	
Frequency range	4.9 – 6.1 GHz
GAIN, typ.	16 dBi
VSWR, max.	2:1
Polarization	Vertical and Horizontal
3 dB Beam-Width, Azimuth Plane, typ.	75°
3 dB Beam-Width, Elevation Plane, typ.	9°
Side Lobes, typ.	-11 dB
Cross Polarization, typ.	-15 dB
Port to Port Isolation, min.	-17 dB
Front to Back Ratio, typ.	-35 dB
Input power, max	10W
Input Impedance	50Ω
Lightning Protection	DC Ground
Mechanical	
Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 kg
Connector	8 x N-type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-22
Environmental	
Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)