MARS ANTENNAS & RF SYSTEMS LTD.

MA-WA82220-DBDP14

698-960 MHz & 1700-2700 MHz Stadium Dual Band & Dual Pol Directional Antenna

MARS new DUAL BAND and DUAL POL antenna specially **designed for arenas and stadiums** that have to supply high capacity and reliable wireless data.

MARS MA-WA82220-DBDP14 provides solutions for services such as LTE, Cellular (2G, 2.5G and 3G), Wi-Fi and WiMAX applications.

Additional Features:

- Efficient and stable performance with 12-13 dBi of gain.
- UV protected radome suitable for harsh environment installations
- Durable construction
- Easy mounting allowing Az/El adjustment
- Aesthetic design
- Weatherized and durable
- Wind survival rating of 200 km/h

Specially designed for Stadiums

Specifications

Electrical			
Frequency range		698-960 MHz	1700-2700 MHz
Gain, typ.	V-pol H-pol	12 dBi 13 dBi	13 dBi 13 dBi
VSWR, max.		2.0 : 1	
Polarization	Dual Pol	Vertical & Horizontal	
Port to Port Isolation, min.		-22 dB	-37 dB
3dB Beam-Width, Azimuth, typ.		35º	35º
3dB Beam-Width, Elevation, typ.		35º	35º
Front to Back Ratio, min.		-22 dB	
PIM, typ.		-150 dBc	
Input power, max.		50 Watt	
Impedance		50 Ohm	
Mechanical			
Dimensions (HxWxD)		800 x 600 x 110 mm	
Connector		2 x N-type Female	
Weight			
Mounting		MNT-60A	
Radome		UV Protected Plastic	
Back Plane		Aluminum protected through chemical passivation.	
Environmental			
Operating Temperature Range		-55ºC to +65ºC	
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	

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