

## MA-DBO2455-3

### 2.3-2.7 GHz & 4.9-6.4 GHz Dual Band Omni Antenna

MARS Dual Band Omni antenna provides coverage of 2.3 to 2.7 GHz & 4.9 to 6.4 GHz in a single antenna radome.

Additional Features:

- Simultaneous coverage of 802.11 a, b, g, WiMAX & 4.9 GHz Public Safety bands.
- Light weight and durable construction.
- UV protected radome made of polycarbonate.
- Suitable for either outdoor (car top) or indoor (ceiling) installations.\*



### Specifications

#### *Electrical*

Frequency range	2.3-2.7 GHz & 4.9-6.4 GHz
GAIN, typ.	2.3-2.7 GHz @ 2 dBi (on 20+ cm diameter ground plane) ** 4.9-6.4 GHz @ 4 dBi (on 20+ cm diameter ground plane) **
VSWR	2: 1 (max.); 1.5 : 1 (typ.)
Polarization	Linear Vertical
Input power, max.	20 Watt
Input Impedance	50 Ohm

#### *Mechanical*

Dimensions (D x H )	54 x 34 mm (2.1" x 1.3")
Connector	N-Type Female (Bottom)
Weight	60 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Fixed Roof Top Mounting

#### *Environmental*

Operating Temperature Range	-40°C to +70°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

(\*) Supplied with 78 mm disc for ceiling installation.

(\*\*) Gain without ground plane is:

- 0 dBi @ 2.3-2.7 GHz
- 2 dBi @ 4.9-6.1 GHz

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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