

## MA-WA52-DP24

### 4.4 – 6.1 GHz Dual Polarization/Dual Slant Subscriber Antenna

MARS 5 GHz Dual Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- Dual slant if mounted diagonally.
- Efficient and stable performance.
- High gain/size ratio.
- Lightweight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.

MARS 5 GHz Dual Polarized Antenna & Enclosure Solution comprises of waterproof 5 GHz Dual Polarized Antenna and weatherproof enclosure with provisions for Az/EI Mounting device.

This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.



### Specifications

<b>Electrical</b>		
Frequency range		4.4 – 6.1 GHz
Gain		24 ± 1 dBi
VSWR	typ. max.	1.7: 1 2.0: 1
Polarization	Dual pole	Linear, Vertical & Horizontal
3dB Beam-Width, H-Plane, typ.		8°
3dB Beam-Width, E-Plane, typ.		8°
Side Lobes,	typ. min.	-12 dB -10 dB
Cross Polarization, typ.		-23 dB
Front to Back Ratio, min.		-35 dB
Port to Port Isolation,	typ. min.	-30 dB -28 dB
Input power, max.		10 Watt
Input Impedance		50 Ohm
Lightning Protection		DC Grounded
<b>Mechanical</b>		
Dimensions (HxWxD)		370 x 370 x 40 mm ( 14.5"x 14.5"x1.6")
Connector		2 x N-type Female
Weight		1.8 kg.
Mounting		See Ordering Options
Radome		UV Protected Polycarbonate
Back Plane		Aluminum protected through chemical passivation.
<b>Environmental</b>		
Operating Temperature Range		-55°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

### Ordering Options

MA-WA52-DP24	Antenna 2 x N-Type Female connectors Suited for MNT-22 mount
MA-WA52-DP24B	Antenna 2 x N-Type Female connectors with MNT-22 mount

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com