

MA-IS43-B2

433 MHz Base Station Panel Antenna

MARS 433 MHz Panel Antenna provides a cost effective solution for Point-to-Multipoint Systems based on the ISM 433 MHz.

Additional Features:

- Suited for new RFID technology applications.
- Excellent and stable performance.
- Small and aesthetic profile.
- UV protected antenna radome.
- Suitable for both indoor and outdoor installations.
- DC grounded.
- Wall mount.



Specifications

Electrical

Frequency range	433±2 MHz
GAIN, min.	4 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	95°
3 dB Beam-Width, E-Plane, typ.	100°
Side Lobes, min.	No Side Lobes
Cross Polarization, min.	No Cross Polarization
Front to Back Ratio, min.	No Front to Back Ratio
Input power, max.	25 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	231 x 215 x 31 mm (9.1" x 8.5" x 1.2")
Weight	840 gr.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Indoor Usage (Outdoor Version Available on Request)

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-65
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)

Ordering Options

MA-IS43-B2	N-Type Connector Version
MA-IS43-B21	N-Type + Cable RG58, ~25cm

Patterns are available on our website

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