

5 GHz Broadband Antenna & Enclosure

MA-WA58-1XBFR

MARS 5GHz Antenna & Enclosure Solution comprises of:

- Waterproof 5 GHz Broadband Antenna
- Weatherproof Enclosure with provisions for Az/EI Mounting device
- Azimuth/Elevation Adjustable Mount MNT-2

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



Specifications:

Electrical	
Frequency range	5.15-5.875 GHz
GAIN, min.	23 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	10.5°
3 dB Beam-Width, E-Plane, typ.	10.5°
Side Lobes, min.	-23 dB
Cross Polarization, min.	-24 dB
Front to Back Ratio, min.	-40 dB
Input power, max	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	305 x 305 x 15 mm (Diamond Shape, 12" x12" x 0.6")
Weight	840 gr. (1.3 kg with Enclosure)
Connector	MMCX with RD316 Coaxial Cable/N-Type, Female/UFL (Other connector types available on request)
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	MNT-2
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)
Service Life	>10 years
Standard Compliance	
ETSI EN 302 085 V1.2.3 – TS1, TS2, TS3, TS4, TS5	

Specifications subject to change without notice