

MA-WA580-DP10

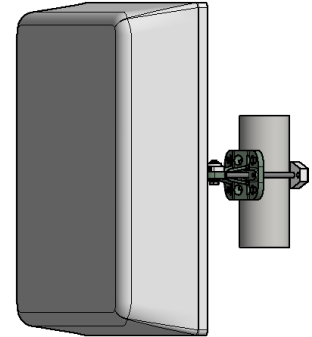
Preliminary

470-698 MHz Dual-Pol Panel Antenna Directional Antenna

MARS MA-WA580-DP10 is a Dual Polarization and Dual Slant Directional Antenna covering 470-698 MHz providing a stable and efficient gain performance.

The antenna provides solutions for White Space applications. The antenna is aesthetic small and has an unobtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as unobtrusive logistic solution for Outdoor installations as well as In-Building Installations.



Specifications

Electrical	
Frequency range	470-698 MHz
Gain, typ.	9.5 ± 1 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Pol
	Linear, Vertical and Horizontal
3 dB Beam-Width, E-Plane, typ.	60°
3 dB Beam-Width, H-Plane, typ.	68°
Cross Polarization, typ.	-30 dB
Port to Port Isolation, min.	-30 dB
Input power, max	20 Watt
Lightning Protection	DC Grounded
Input Impedance	50 Ohm
Mechanical	
Dimensions (HxWxD)	500 x 500 x 140 mm (19.7" x 19.7" x 5.5")
Weight	2.7 Kg.
Connector	2 x N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Plastic
Mount	MNT-22
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

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