

MA-WA600-DP7

400-800 MHz Dual-Pole/Dual-Slant Directional Antenna

MARS MA-WA600-DP7 is a Dual Polarization and Dual Slant Directional Antenna covering 400-800 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	400-800 MHz
Gain, typ.	6.5 ± 0.5 dBi
VSWR,	1.8: 1 typ. ; 2 : 1 max. (across the frequency band)
Polarization	Dual Pole Dual Slant (opt.)
3 dB Beam-Width, E-Plane, typ.	Linear, Vertical & Horizontal ±45° (diamond shape)
3 dB Beam-Width, H-Plane, typ.	70°-90°
Cross Polarization, typ.	100°-130°
Front to Back Ratio	-25 dB - - 30 dB (across the frequency band)
Port to Port Isolation, min.	-11 dB -20 dB (across the frequency band)
Input power, max	-26 dB
Lightning Protection	20 Watt
Input Impedance	DC Grounded
	50 Ohm

Mechanical

Dimensions (HxWxD)	310 x 310 x 126 mm (12.2" x 12.2" x 4.96")
Connector	2 x N-Type, Female
Weight	1.3 kg
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Plastic
Mounting	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

Ordering Options

MA-WA600-DP7	Antenna with N-Type Female connectors suited for MNT-22 Mount
MA-WA600-DP7B	Antenna with N-Type Female connectors with MNT-22 Mount

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