

MA-WA580-DP8

470-698 MHz Dual-Pol/Dual-Slant Directional Antenna

MARS MA-WA580-DP8 is a Dual Polarization and Dual Slant Directional Antenna covering 470-698 MHz providing a stable and efficient gain performance.

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.	7.5 ± 0.5 dBi
VSWR,	Max. 2.0 : 1 Typ. 1.8 : 1
Polarization	Dual Pole Linear, Vertical & Horizontal Dual Slant (opt.) ±45° (diamond shape)
3 dB Beam-Width, E-Plane, typ.	70°
3 dB Beam-Width, H-Plane, typ.	78°
Cross Polarization, typ.	-30 dB
Port to Port Isolation, min.	-26 dB
Input power, max	20 Watt
Lightning Protection	DC Grounded
Input Impedance	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
Ice and Snow	25mm radial (survival)

MARS Antennas & RF Systems proprietary information

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