

MA-WA55-DP26

5.1 – 5.9 GHz Dual Polarization/Dual Slant Subscriber Antenna

MARS 5 GHz Dual Polarized/Dual Slant Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- Efficient and stable performance with exceptionally high gain over the entire frequency band.
- High gain/size ratio.
- Durable construction.
- UV protected radome suitable for harsh weather installations.



Specifications

Electrical

Frequency range	5.1 – 5.9 GHz
Gain, typ.	26 dBi
VSWR, max.	2.0 : 1
Polarization	Dual pol. Linear, Vertical & Horizontal
3dB Beam-Width, H-Plane, typ.	7°-9°
3dB Beam-Width, E-Plane, typ.	7°-9°
Side Lobes	typ. -12 dB min. -10 dB
Cross Polarization, typ.	-23 dB
Front to Back Ratio, min.	-35 dB
Port to Port Isolation	typ. -30 dB min. -25 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Connector	2 x N-Type Female
Weight	1.8 kg.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.

Environmental

Operating Temperature Range	-55°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

Ordering Options

MA-WA55-DP26	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WA55-DP26B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

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