

MA-WA48-DP28

4.3-5.3 GHz High Gain, Dual Polarized/Dual Slant Antenna

Antenna Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.



Specifications

Electrical

Frequency range	4.3-5.3 GHz
GAIN	27.5 ± 0.5 dBi
VSWR	max. 1.8:1; typ. 1.5:1
Polarization	Dual Pole Dual Slant (opt.)
	Linear, Vertical & horizontal
3 dB Beam-Width, H-Plane, typ.	6 ± 0.5°
3 dB Beam-Width, E-Plane, typ.	6 ± 0.5°
Side Lobes, min.	-10 dB
Cross Polarization, typ.	-25 dB
Front to Back Ratio	-35 dB
Port to Port Isolation, min.	-25 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	600 x 600 x 22 mm (23.5" x 23.5" x 0.86")
Weight	4.7 kg.
Connector	2 X N-Type Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	Supply by customer

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

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