

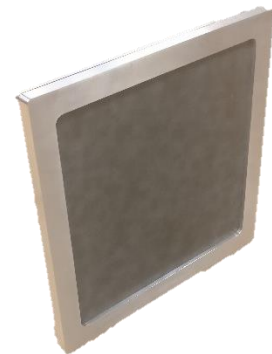
MA-WA28-30

26-31 GHz Subscriber Antenna

MARS 26-31 GHz subscriber antenna provides full coverage from 26 GHz and up to 31 GHz frequency band.

Additional Features:

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



Specifications

Electrical

Frequency range	26-31 GHz
GAIN, typ.	29.5 ± 0.5 dBi
VSWR, max.	2 : 1
Polarization	Linear ,Vertical
3 dB Beam-Width, H-Plane, typ.	3.8°
3 dB Beam-Width, E-Plane, typ.	3.8°
Side Lobes, typ.	-12 dB
Cross Polarization, min.	-25 dB
Front to Back Ratio, min.	-35 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	175 x 175 x 10 mm (6.9" x 6.9" x 0.4")
Weight	380 gr.
Connector	2.92mm K-Connector Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected, Polycarbonate
Mount	MNT-23

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

Mars Antennas & RF Systems proprietary information

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