

## MA-WA3560-DS7P

### 350 MHz 6.0 GHZ Multi Band Dual Slant Directional Antenna

MARS Multi Band Antenna covers all the bands for LTE, 3G, 2.5G and 2G cellular, as well as ISM, Wi Fi, WLAN, Bluetooth, GSM 900 and GSM 1900.

The antenna is aesthetic and has an unobtrusive profile that blends easily with any environment.

Easy installation makes this antenna highly recommended as an outstanding logistic solution for outdoor installations as well as in-building installations.



### Specifications

#### Electrical

Frequency range	350-400 MHz	698-960 MHz	1.7-2.7 GHz	3.3-3.8 GHz	5.15-6.0 MHz
Gain, typ.	1.5 dBi	7.5 dBi	6 - 7 dBi	7 dBi	6 dBi
VSWR	typ.	1.5 : 1	1.5 : 1	1.3 : 1	1.7:1
	max.	2.5 : 1	2.8 : 1	2.2 : 1	2.5:1
Polarization	Dual Slant $\pm 45^\circ$ or Dual Pol in Diamond Shape				
Port to Port Isolation, min.	-10 dB	-25 dB	-40 dB	-28 dB	-30 dB
3dB Beam-Width, Azimuth, typ.	170°	75°	100°	80°	40°
3dB Beam-Width, Elevation, typ.	170°	75°	100°	80°	40°
3dB Beam-Width, H-Plane, typ.	180°	90°	105°	90°	50°
3dB Beam-Width, E-Plane, typ.	30°	60°	95°	30°	30°
Front to Back Ratio, min	-15 dB				
PIM, typ.	-150 dBc				
Input power, max.	50 Watt				
Impedance	50 Ohm				

#### Mechanical

Dimensions (HxWxD)	300 x 300 x 99 mm (12.2" x 12.2" x 4.96" )
Connector	See Ordering Options
Weight	900 gr.
Mounting	See Ordering Options
Radome	UV Protected Plastic
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-WA3560-DS7P	Antenna with 2 x 4.3-10 Female connectors, suited for MNT-22 Mount
MA-WA3560-DS7PB	Antenna with 2 x 4.3-10 Female with MNT-22 Mount
MA-WA3560-DS7	Antenna with 2 x N-type Female connectors, suited for MNT-22 Mount
MA-WA3560-DS7B	Antenna with 2 x N-type Female connectors with MNT-22 Mount

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