



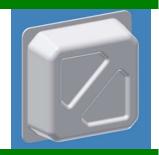
## **MA-WA3560-DS7P**

### 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	698–960	1.7–2.7	3.3-3.8 GHz	5.15-6.0
		MHz	MHz	GHz		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	1.5 : 1
	max.	2.5 : 1	2.8 : 1	2.2 : 1	2.5:1	2.5 : 1
Polarization		Dual Slant ± 45° 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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