MARS ANTENNAS & RF SYSTEMS LTD.

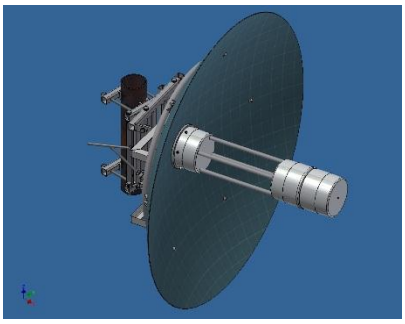
RoHS COMPLIANT 2011/65/EU

MA-WP2556-DP12

2.4-2.7 GHz & 5-6 GHz Dual Band Dual Polarization Parabolic Reflector Antenna, 1.2m

MARS brand new Prime focus, Dual Band, Dual Polarization, Parabolic Reflector antenna provides coverage of 2.4-2.7 GHz & 5-6 GHz
The Parabolic Reflector antenna has a total of four connectors for vertical & horizontal polarization (2 V&H connectors for 2.4-2.7 GHz and 2 V&H connectors for 5-6 GHz)
Additional features:

- Efficient and stable performance.
- High gain stable performance.
- Suitable for harsh weather.



Specifications

Electrical		
Frequency range	2.4-2.7 GHz	5-6 GHz
GAIN, typ.	25 ± 1 dBi	32.5 ± 1 dBi
VSWR, max.	1.7 : 1	2.0 : 1
Polarization	Dual Polarized	
Cross Polarization	10 dB	20 dB
3 dB Beam-Width, H-Plane, typ.	6°	3°
3 dB Beam-Width, E-Plane, typ.	6°	3°
Front to Back Ratio.	-30 dB	-40 dB
Port to Port Isolation	-15 dB	-20 dB
Interband isolation	-20 dB	-20 dB
Input power, max	20 Watt	
Input Impedance	50 Ohm	
Mechanical		
Dimensions (Ø)	1200 mm. (4 ft.)	
Weight	18 kg.	
Connector	4 x N-Type, Female	
Back Plane	Aluminum protected through chemical passivation	
Mount	MNT-WP12	
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-65	
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)	
Salt Fog	According to IEC 68-2-11	
Ice and Snow	25mm radial (survival)	

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MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

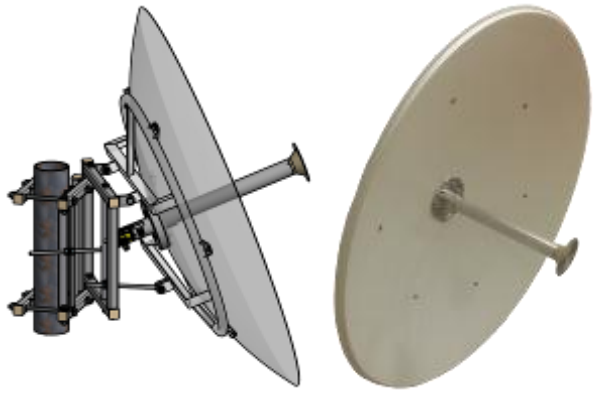
MA-WP56-DP32

5.1-5.9 GHz Dual Polarization Parabolic Dish Antenna, 0.9m (3ft)

MARS brand new High Gain, Dual Polarization, Parabolic Dish antenna provides coverage of 5.1-5.9 GHz

Additional features:

- Efficient and stable performance.
- High gain stable performance.
- Suitable for harsh weather.



Specifications

Electrical	
Frequency range	5.1-5.9 GHz
Gain, typ.	32 dBi
VSWR, max.	1.7: 1
Polarization	Dual Polarized
Side Lobe Level, typ.	-15 dB
Cross Polarization, typ.	-20 dB
3 dB Beam-Width, H-Plane, typ.	4°
3 dB Beam-Width, E-Plane, typ.	4°
Front to Back Ratio	-40 dB
Port to Port Isolation, typ.	-36dB @ 5.1 – 5.6 GHz -20dB @ 5.6 – 5.8 GHz
Input power, max	100 Watt
Input Impedance	50 Ohm
Mechanical	
Dimensions (Ø)	900 mm. (3 ft.)
Weight	18 kg.
Connector	2 x N-Type, Female
Mount	MNT-WP12
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

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MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

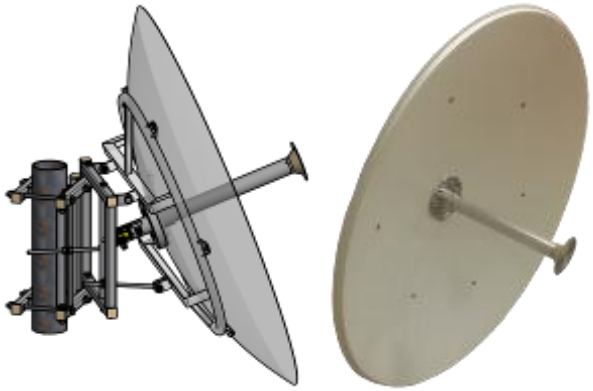
MA-WP56-DP34

4.9-6.1 GHz Dual Polarization Parabolic Dish Antenna, 1.2m (4ft)

MARS brand new High Gain, Dual Polarization, Parabolic Dish antenna provides coverage of 4.9 – 6.1 GHz

Additional features:

- Efficient and stable performance.
- High gain stable performance.
- Suitable for harsh weather.



Specifications

Electrical	
Frequency range	4.9-6.1 GHz
GAIN, typ.	34 dBi @ 5.15-6.10 GHz 32 dBi @ 4.90-5.15 GHz
VSWR, max.	2.0: 1 @ 4.90-5.15 GHz 1.7: 1 @ 5.15-5.90 GHz 2:0: 1 @ 5.90-6.10 GHz
Polarization	Dual Polarized
Side Lobe Level, typ.	-18 dB
Cross Polarization, typ.	-20 dB
3 dB Beam-Width, H-Plane, typ.	3°
3 dB Beam-Width, E-Plane, typ.	3°
Front to Back Ratio	-40 dB
Port to Port Isolation, typ.	-36dB @ 4.9-5.6 GHz -20dB @ 5.6-6.1 GHz
Input power, max	100 Watt
Input Impedance	50 Ohm
Mechanical	
Dimensions (Ø)	1200 mm. (4 ft.)
Weight	18 kg.
Connector	2 x N-Type, Female
Mount	MNT-WP12
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

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MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

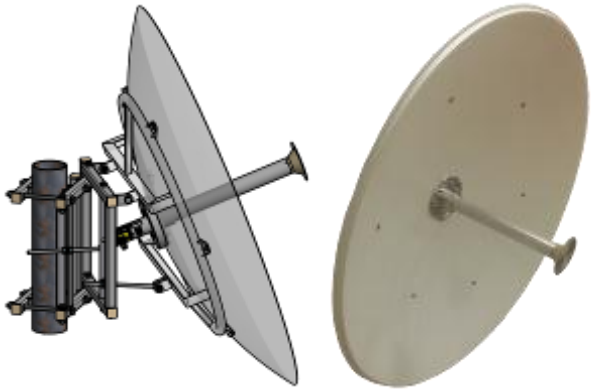
MA-WP61-DP35

5.7-6.5 GHz Dual Polarized Parabolic Dish Antenna, 1.2m (4 ft.)

MARS brand new High Gain, Dual Polarization, Parabolic Dish antenna provides coverage of 5.7 – 6.5 GHz.

Additional features:

- Efficient and stable performance.
- High gain stable performance.
- Suitable for harsh weather.



Specifications

Electrical	
Frequency range	5.7-6.5 GHz
GAIN, typ.	35 dBi
VSWR, max.	1.7: 1
Polarization Dual Pole	Dual Polarization Vertical & Horizontal
Side Lobe Level, typ.	-17 dB
Cross Polarization, typ.	-25 dB
3 dB Beam-Width, H-Plane, typ.	2.5°
3 dB Beam-Width, E-Plane, typ.	2.5°
Front to Back Ratio	-40 dB
Port to Port Isolation, typ.	-35 dB
Input power, max	100 Watt
Input Impedance	50 Ohm
Mechanical	
Dimensions (Ø)	1200 mm. (4 ft.)
Weight	18 kg.
Connector	2 x N-Type, Female
Mount	MNT-WP12
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

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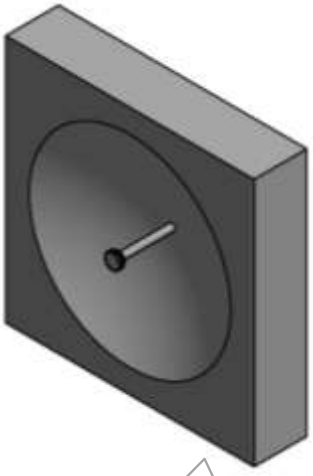
MARS ANTENNAS & RF SYSTEMS LTD.

MA-WP600-36 Preliminary

57-64 GHz Parabolic Dish Antenna, 13cm Diameter



MARS's brand new **MA-WP600-36** V-Band millimeter wave (mmW) dish antenna covers 57-64 GHz frequencies, with exceptionally efficient performance of 36dBi.

MARS **MA-WP600-36** dish antenna features lightweight of less than 0.35kg and compact size design of 130mm in diameter (0.39ft.), which results in beamwidth of 2.5^{O}.

MARS **MA-WP600-36** low-profile aesthetics design minimizes visual impact in any urban environment or other landscape.

MARS **MA-WP600-36** is pre-assembled.
Connect the easy-to-use MNT-22 and install.

Specifications

Electrical	
Frequency range	57 – 64 GHz
Gain, typ.	36 dBi
VSWR, max.	1.5: 1
Polarization Single Polarized	Vertical or Horizontal
Side Lobe Level, typ.	-17 dB
Cross Polarization, typ.	-25 dB
3 dB Beam-Width, H-Plane, typ.	2.5°
3 dB Beam-Width, E-Plane, typ.	2.5°
Front to Back Ratio, min.	-40 dB
Input power, max	100 Watt
Input Impedance	50 Ohm
Mechanical	
Dimensions (Ø)	130 mm. (0.39 ft.)
Dimensions (L x W x H)	160 x160 x 34 mm.
Weight	<0.35 kg.
Connector	WR-15 Waveguide with UG-385/U-M Flange
Mount	MNT-22
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

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