MMDS Parabolic Antennas

- **Low Sidelobes**
- **Excellent Front-to-Back Ratio**
- **Narrow Beamwidth**
- **Durable, Robust Construction**

PRODUCT APPLICATION:

The MMDS high performance parabolic antennas provide unparalleled performance to MMDS subscribers receiving signals in the MMDS 2.5 to 2.7 GHz band.

In addition to narrow beamwidth, the antenna has been engineered with low side lobes and also offers excellent front-to-back performance.

The reception of digital signals is generally limited by interference from reflections, nearby transmitters, or adjacent wireless services.

Because of this, the antenna's overall performance (gain, beamwidth, directivity, sidelobes and front-to-back ratio) are key factors in providing reliable reception.

These parabolic antennas offer exceptional resistance from multipath effects and other interference.

The antenna's wire grid design and construction with durable steel guarantees maximum useful life.

	18 dBi Antenna	21 dBi Antenna	24 dBi Antenna
Frequency Range	2500-2700 MHz	2500-2700 MHz	2500-2700 MHz
Gain	18 dBi	21 dBi	24 dBi
3dB Beamwidth	16° ± 2°	13° ± 2°	10° ± 2°
Side Lobe Level	-16 dB ± 2 dB	-17 dB ± 2 dB	-18 dB ± 2 dB
Front to Back Ratio	>22dB	>26dB	>31dB
Cross-Polarization Isolation	25dB	25dB	28dB
Over Near Hemisphere	16 dB Min	18 dB Min	21 dB Min
At 180 °	23 dB Min	25 dB Min	28 dB Min
Polarization	V / H	V / H	V / H
Reflector Material	Steel	Steel	Steel
Reflector Type	Wire Grid Parabolic	Wire Grid Parabolic	Wire Grid Parabolic
Dimensions	580mm X 450mm	890mm X 450mm	930mm X 660mm
Weight	1.6 Kg	1.9 Kg	3.6 Kg
Focal Length	260mm	320mm	3850mm
Operating Temperature	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
Accessory	Mounting Bracket	Mounting Bracket	Mounting Bracket

[1] Specifications subject to change without prior notice.