

MT-223006/NV

698-746MHz 13.5dBi 90deg Vertical Base Station Antenna

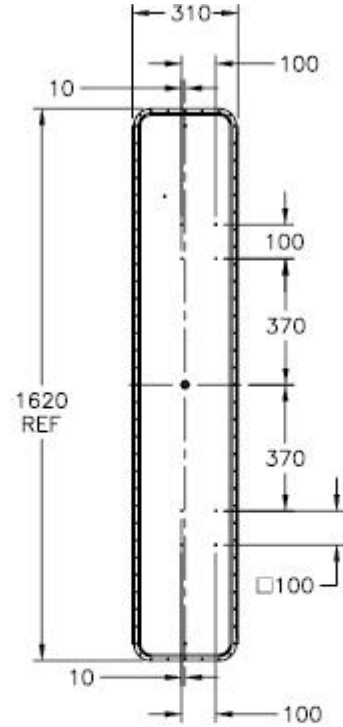
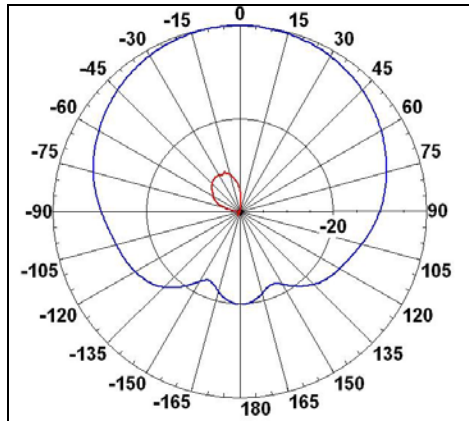


Specifications

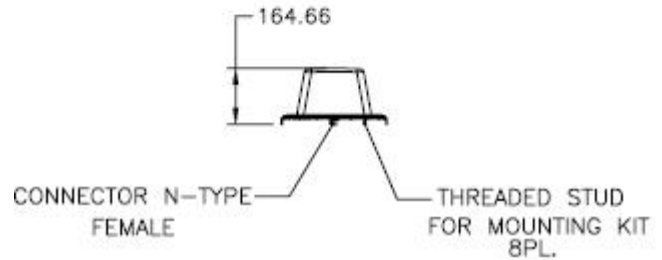
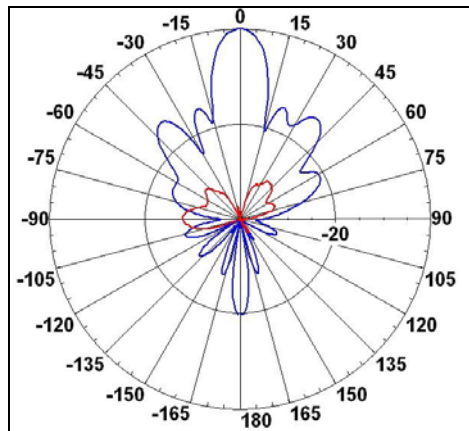
| MTI PART NUMBER | | MT - 223006/NV | | |
|-----------------------|---|----------------|-------------|-------------|
| ELECTRICAL | | | | |
| REGULATORY COMPLIANCE | RoHS, CE 0682 | | | |
| FREQUENCY RANGE | 698-746 MHz | | | |
| GAIN | 13.5 dBi (min) | | | |
| VSWR | 1.8 : 1 (max) | | | |
| AZIMUTH BEAMWIDTH | 90° ± 4° / -2° | | | |
| ELEVATION BEAMWIDTH | 14° (typ) | | | |
| POLARIZATION | Linear Vertical | | | |
| CROSS POLARIZATION | -20dB (max) | | | |
| F/B RATIO | -20dB (max) | | | |
| INPUT IMPEDANCE | 50 (ohm) | | | |
| INPUT POWER | 20W (max) | | | |
| LIGHTNING PROTECTION | DC Grounded | | | |
| MECHANICAL | | | | |
| DIMENSIONS (LxWxD) | 1620x300x115mm (max) | | | |
| WEIGHT | 8(kg) (max) | | | |
| CONNECTOR | N-type Female | | | |
| RADOME | Plastic | | | |
| BASE PLATE | Aluminum with chemical conversion coating | | | |
| OUTLINE DRAWING | See page 2 | | | |
| MOUNTING KIT | MT-120021 | | | |
| ENVIRONMENTAL | | | | |
| TEST | STANDARD | DURATION | TEMPERATURE | NOTES |
| LOW TEMPERATURE | IEC 68-2-1 | 72 h | -55°C | - |
| HIGH TEMPERATURE | IEC 68-2-2 | 72 h | +71°C | - |
| TEMP. CYCLING | IEC 68-2-14 | 1 h | -45°C +70°C | 3 Cycles |
| VIBRATION | IEC 60721-3-4 | 30 min/axis | - | Random4M5 |
| SHOCK MECHANICAL | IEC 60721-3-4 | - | - | 4M5 |
| HUMIDITY | ETSI EN300-2-4 T4.1E | 144 h | - | 95% |
| WATER TIGHTNESS | IEC 529 | - | - | IP63 |
| SOLAR RADIATION | ASTAM G53 | 1000 h | - | - |
| FLAMMABILITY | UL 94 | - | - | Class HB |
| SALT SPRAY | IEC 68-2-11 Ka | 500 h | - | - |
| ICE AND SNOW | - | - | - | 25mm Radial |
| WIND SPEED SURVIVAL | - | - | - | 220 Km/h |
| OPERATION | - | - | - | 160 Km/h |
| WIND LOAD (SURVIVAL) | FRONT TRHRUST | - | - | 138.8 kg |
| | SIDE TRHRUST | - | - | 53.2 kg |

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Azimuth Radiation Pattern Midband Freq. 0.725 GHz Dimensions [mm]



Elevation Radiation Pattern Midband Freq. 0.725 GHz



Existing Antenna Versions

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MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

WAIVER!

While the information contained in this document has been carefully compiled to the best of our present knowledge, it is not intended as presentation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.

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