

MT-30106

3.4-3.7 GHz 15dBi Base Station Antenna



Specifications

| MTI PART NUMBER | | MT – 30106 | | | |
|----------------------|---|-------------|-------------|-------------|--|
| ELECTRICAL | | | | | |
| FREQUENCY RANGE | 3.4 – 3.7GHz | | | | |
| GAIN | 15 dBi (min) | | | | |
| VSWR | 1.5:1 (typ) 1.7 : 1 (max) | | | | |
| 3 dB BEAMWIDTH – AZ | 60° (typ) | | | | |
| EL | 12° (typ) | | | | |
| POLARIZATION | Linear Vertical | | | | |
| SIDELOBES LEVEL | -25 dB (max) | | | | |
| CROSS POLARIZATION | -18 dB (max) | | | | |
| F/B RATIO | -30 dB | | | | |
| INPUT IMPEDANCE | 50 (ohm) | | | | |
| INPUT POWER | 6W (max) | | | | |
| LIGHTNING PROTECTION | DC Grounded | | | | |
| MECHANICAL | | | | | |
| DIMENSIONS (LxWxD) | 350x150X30mm (max) | | | | |
| WEIGHT | 0.7 Kg (max) | | | | |
| CONNECTOR | N-Type Female | | | | |
| RADOME | Plastic | | | | |
| BASE PLATE | Aluminum with chemical conversion coating | | | | |
| OUTLINE DRAWING | See page 2 | | | | |
| MOUNTING KIT | MT-120019 | | | | |
| ENVIRONMENTAL | | | | | |
| TEST | STANDARD | DURATION | TEMPERATURE | NOTES | |
| LOW TEMPERATURE | IEC 68-2-1 | 72 h | -45°C | - | |
| HIGH TEMPERATURE | IEC 68-2-2 | 72 h | +70°C | - | |
| TEMP. CYCLING | IEC 68-2-14 | 1 h | -45°C +70°C | 3 Cycles | |
| VIBRATION | IEC 60721-3-4 | 30 min/axis | - | Random4M3 | |
| SHOCK MECHANICAL | IEC 60721-3-4 | - | - | 4M3 | |
| HUMIDITY | ETSI EN300-2-4 T4.1E | 144 h | - | 95% | |
| WATER TIGHTNESS | IEC 529 | - | - | IP67 | |
| SOLAR RADIATION | ASTM 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 | |

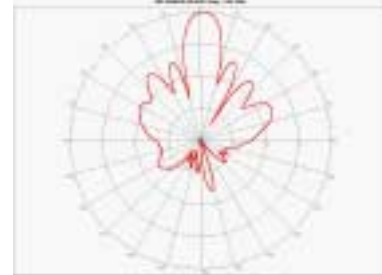
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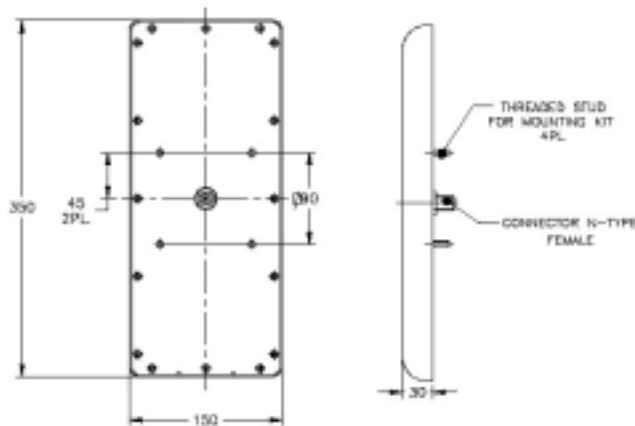
Azimuth Radiation Pattern
Midband Freq. 3.55 GHz



Elevation Radiation Pattern
Midband Freq. 3.55 GHz



Dimensions [mm]



Existing Antenna Versions

| | |
|-------------|---|
| MT-263003/N | With N – Type Female connector & DC grounding |
|-------------|---|

MTI group is certified according to ISO 9001 and ISO 14001.

WAIVER!

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