

MT-262006/TRH/A

902-928 MHz, 9 dBic, Reader Antenna

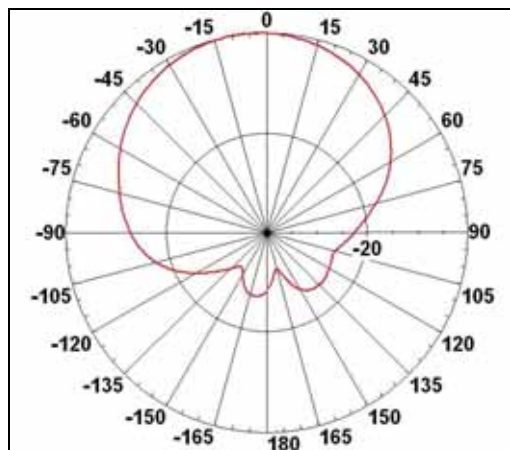


Specifications

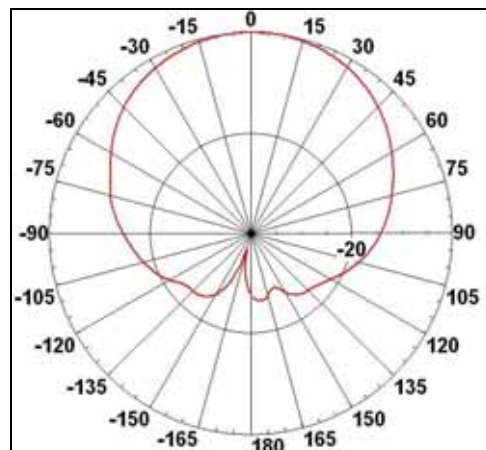
| MTI PART NUMBER | | MT- 262006/TRH/A | | |
|--------------------------------|----------------------------------|---|----------------|---------------------|
| ELECTRICAL | | | | |
| FREQUENCY RANGE | | 902-928 MHz | | |
| GAIN | | 9 dBic (min) | | |
| VSWR | | 1.3:1 (max), 1.4:1 (max) @ 10% of the range | | |
| 3 dB BEAMWIDTH | | 63° (typ) | | |
| POLARIZATION | | RHCP ** See <i>Other Antenna Versions</i> below | | |
| SIDELOBES LEVEL @ 90° | | -16 dB (max) | | |
| AXIAL RATIO AT BORESIGHT | | 4 dB (max) | | |
| F/B RATIO | | -18 dB (max) -20 dB (typ) | | |
| INPUT IMPEDANCE | | 50 (Ohm) | | |
| INPUT POWER | | 6 W (max) | | |
| LIGHTNING PROTECTION | | DC Grounded | | |
| MECHANICAL | | | | |
| DIMENSIONS (LxWxD) | | 305x305x25 mm ** See <i>Other Antenna Versions</i> below | | |
| ORIENTATION | | Rectangular | | |
| WEIGHT | | 1.2 kg (max) | | |
| CONNECTOR | | Reverse Polarity TNC ** See <i>Other Antenna Versions</i> below | | |
| RADOME | | Plastic UV Resistant per ETSI 300 | | |
| BASE PLATE | | Aluminum with chemical conversion coating | | |
| OUTLINE DRAWING | | See page 2 | | |
| MOUNTING KIT | | MT-120018 | | |
| ENVIRONMENTAL | | | | |
| TEST | STANDARD | DURATION | TEMPERTURE | NOTES |
| TEMPERATURE | IEC 68-2-1/2 | 72 h | -55°C to +71°C | - |
| TEMP. CYCLING | IEC 68-2-14 | 1 h | -45°C to +70°C | 3 Cycles |
| THERMAL SHOCK NON-OPER. | | | -30°C to +70°C | Ramp 30°C/min |
| HUMIDITY | ETSI EN300-2-4 T4.1E | 144 h | - | 95% |
| WATER TIGHTNESS* | IEC 529 | - | - | IP54 |
| DUST RESISTANCE* | | | | IP54 |
| SOLAR RADIATION | ASTM G53 | 1000 h | - | - |
| OZONE RESISTANCE | ETSI 300 | | | |
| 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 (SURV.): FRONT | - | - | - | 26.8 kg |
| SIDE THRUST | - | - | - | 2.2 kg |
| QUASI RANDOM VIBRATION | | | | 20g rms for 4 hours |
| VEHICLE VIBRATION OPERATING | 1g rms, 10-500 Hz, in 3 axis | 6 hours total, 2 hr in each axis. Accelerated wear - an additional 50hrs in worst case axis. | | |
| MECHANICAL SHOCK OPERATING | 10g, 11 msec, half sine pulse | | | |

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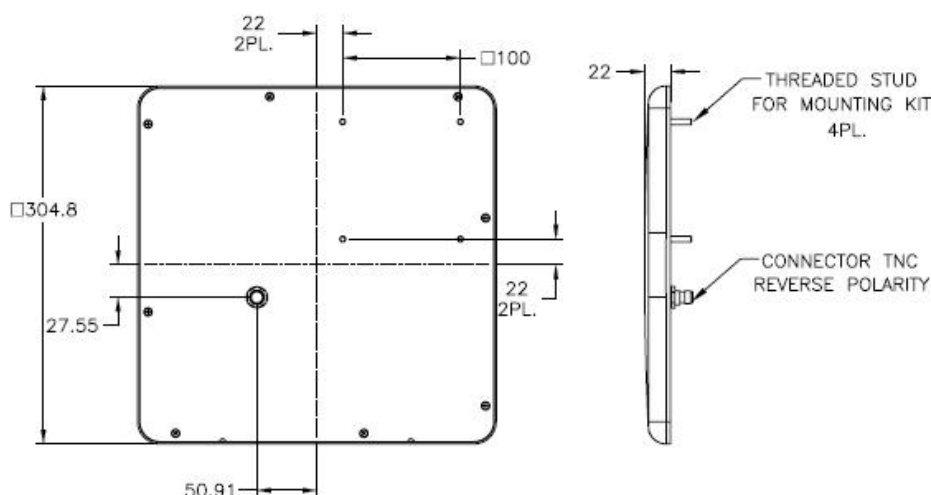
Azimuth Radiation Pattern
Midband Freq. 0.915 GHz



Elevation Radiation Pattern
Midband Freq. 0.915 GHz



Dimensions [mm]



Existing Antenna Versions

| | |
|--|---|
| MT-262006/NLH/A | LHCP, connector: Reverse Polarity N - type female |
| MT-262006/NLH | LHCP, connector: N - type female |
| MT-262006/NRH/A | RHCP, connector: Reverse Polarity N - type female |
| MT-262006/NRH | RHCP, connector: N - type female |
| MT-262006/TLH/A/K | LHCP, connector: Reverse Polarity TNC, IP67 |
| MT-262006/TRH/A/K | RHCP, connector: Reverse Polarity TNC, IP67 |
| MT-262006/NRH/B, MT-262006/NRH/D, MT-262006/NRH/F, MT-262006/NRH/G, MT-262006/TRH/D, MT-262006/TRH/G: For more information about these models, please contact us | |
| * IP 67 AVAILABLE UPON REQUEST | |

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

WAIVER!

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