

MT-242025/TRH/A

865 - 956 MHz, 7.5dBic READER ANTENNA



ELECTRICAL

| | |
|--------------------------|--|
| REGULATORY COMPLIANCE | RoHS, CE 0682 |
| FREQUENCY RANGE | 865 - 956 MHz |
| GAIN | 865-870 MHz @ 7 dBic (min) 902-928 MHz @ 7.5 dBic (min) 950-956 MHz @ 6.5 dBic (min) |
| VSWR | 1.2:1 (typ) 1.35 : 1(max) |
| POLARIZATION | RHCP |
| 3DB ELEVATION BEAMWIDTH | 72° (typ) |
| 3DB AZIMUTH BEAMWIDTH | 74° (typ) |
| F/B RATIO | -18 dB (max) |
| POWER | 6W (max) |
| INPUT IMPEDANCE | 50 (ohm) |
| AXIAL RATIO AT BORESIGHT | 865-870 MHz @ 3 dB (max) 902-928 MHz @ 1.3 dB (max) 950-956 MHz @ 2.5 dB (max) |
| LIGHTNING PROTECTION | DC Grounded |

MECHANICAL

| | |
|---------------------|---|
| DIMENSIONS (LXWXD) | 190 x 190 x 30mm (max) |
| CONNECTOR | RP-TNC Female |
| WEIGHT | 0.8 (Kgs) (max) |
| MOUNTING KIT | SEE RD41191800C, MT-120018/A |
| RADOME MATERIAL | Plastic |
| BASE PLATE MATERIAL | Aluminum with chemical conversion coating |
| OUTLINE DRAWING | RD42881300C |

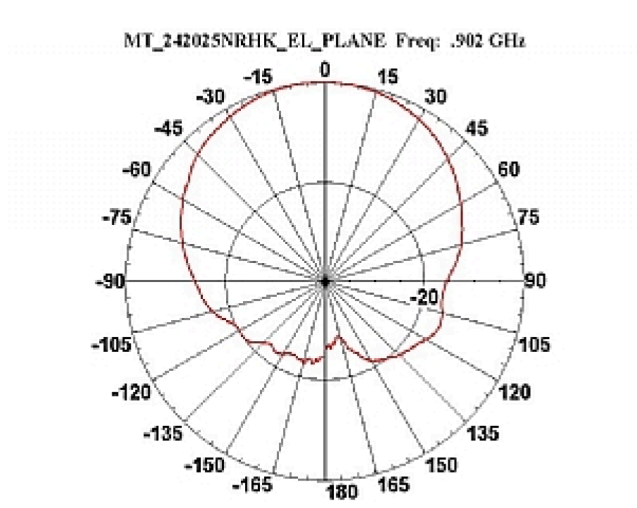
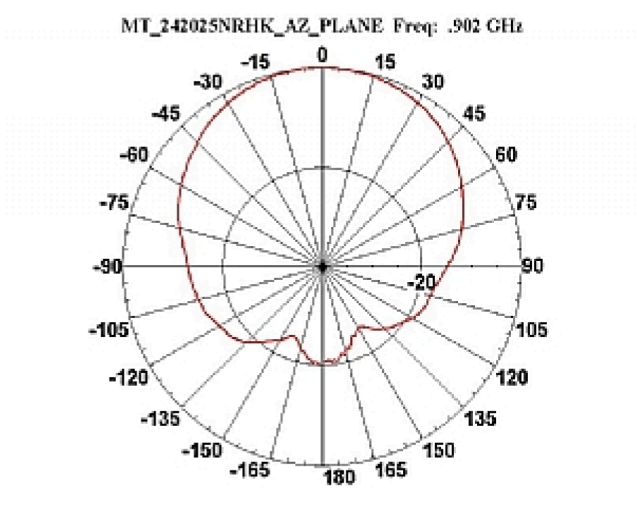
[ADD TO COMPARISON](#) | [COMPARE](#)

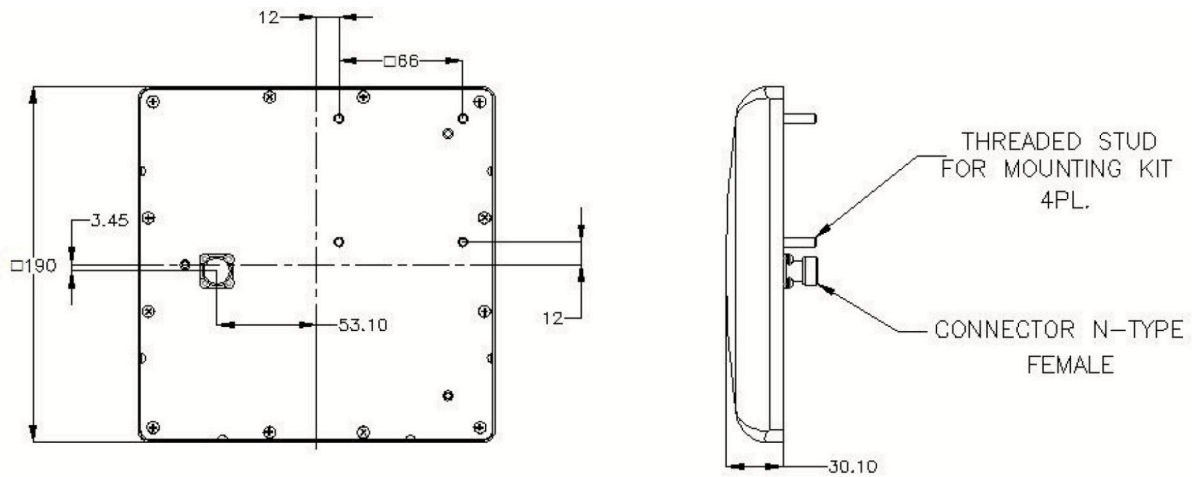
ENVIRONMENTAL

| TEST | STANDARD | DURATION | TEMPERATURE | NOTES |
|-----------------|------------|----------|-------------|-------|
| LOW TEMPERATURE | IEC 68-2-1 | 72 h | -55°C | |
| HIGH | IEC 68-2-2 | 72 h | +71°C | |

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|--|---------------------------------|-------|---------------|---|
| TEMPERATURE | | | | |
| TEMP. CYCLING | IEC 68-2-14 | 1 h | -45°C +70°C | 3 Cycles |
| THERMAL SHOCK NONO- OPERATING | | | -30°C to+70°C | Ramp 30°C/min |
| HUMIDITY | ETSI EN300-2-4 T4.1E | 144 h | | 95% |
| WATER TIGHTNESS | IEC 529 | | | IP67 |
| DUST RESISTANCE | | | | IP67 |
| SOLAR RADIATION | ASTM G53 | 1000h | | |
| OZONE RESISTANCE | ETSI 300 | | | |
| FLAMMABILITY | UL 94 | | | Class HB |
| QUASI RANDOM VIBRATION | | | | 20g rms for 4 hours |
| VEHICLE VIBRATION OPERATING | 1 grms, 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,11msec, half sine pulse | | | |

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| AZIMUTH RADIATION PATTERN MIDBAND FREQ. 0.902 GHZ | ELEVATION RADIATION PATTERN MIDBAND FREQ. 0.902 GHZ |
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WAIVER!

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