

MT-466010/NVH

4.9 – 6.425 GHz 28 dBi Dual Pol Directional Antenna

Electrical

| | |
|------------------------|---|
| Regulatory Compliance | ESTI EN 302 326-3 V 1.1.2 (2006-03) RoHS, CE 0682 |
| Frequency | 4.9 – 6.425 GHz |
| Gain | 26 dBi ± 1 dB @ 4.9-5.15 GHz 28 dBi ± 1 dB @ 5.15-6.25 GHz 27 dBi ± 1 dB @ 6.25-6.425 GHz |
| VSWR | 2:1 max @ 4.9-6.25GHz 2.3:1 max @ 6.25-6.425GHz |
| 3 dB Beam Width | 5° typ |
| Polarization | Dual Linear Vertical and Horizontal |
| Side Lobes Level | ESTI EN 302 326-3 V1.1.2 DN3 |
| Cross Polarization | ESTI EN 302 326-3 V1.1.2 DN3 |
| Port to Port Isolation | -25 dB max, -30 dB typ |
| F/B Ratio | -40 dB max |
| Input Impedance | 50 Ω |
| Input Power | 6 W max |
| Lightning Protection | DC Grounded |

Mechanical

| | |
|------------|---|
| Dimensions | 600 x 600 x 51 mm max |
| Weight | 5 kg max |
| Connector | 2 x N - Type Female |
| Radome | Plastic |
| Base Plate | Aluminum with chemical conversion coating |

Environmental

| Test | Standard | Duration | Temperature | Notes |
|------------------|----------------------|-------------|---------------|--------------|
| Low Temperature | IEC 68-2-1 | 72 h | -65 °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 | | Random 4M3 |
| 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 | 2000 h | | |
| Flammability | UL 94 | | | Class HB |
| Salt Spray | IEC 68-2-11 Ka | 500 h | | |
| Ice And Snow | | | | 25 mm Radial |
| Wind Speed | Survival | | | 220 Km/h |
| | Operation | | | 160 Km/h |
| Wind Load | Front Thrust | | | 103.6 kg |
| Survival | Side Thrust | | | 8.6 kg |

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