

MT-467003/NVH

5.4 – 6.5 GHz 30 dBi Dual Pol 2' Parabolic Antenna

Electrical

| | |
|-----------------------------------|--|
| Regulatory Compliance | RoHS, CE 0682 |
| Frequency | 5.4 – 6.5 GHz |
| Gain | 30 dBi \pm 0.5 dB 5.5 – 6.5 GHz 23.5 dBi \pm 1 dB 5.4 – 5.5 GHz |
| VSWR | 1.5:1 typ, 1.8:1 max |
| Beam Width | 5° \pm 0.5° typ |
| Polarization | Vertical and Horizontal or Dual Slant |
| Side Lobes Level | 20 dB typ |
| Cross Polarization Discrimination | 19 dB min, 25 dB typ |
| Port to Port Isolation | 30 dB min, 35 dB typ |
| F/B Ratio | 40 dB min |
| Input Impedance | 50 Ω |
| Input Power | 20 W rms 25 W peak |

Mechanical

| | |
|-----------------------------|-------------------|
| Dimensions Diameter x Depth | Ø725 x 440 mm max |
| Weight | 6.3 kg max |
| Connector | 2 x N-Type Female |
| Radome | Plastic |

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 | | Random 4M5 |
| Shock Mechanical | IEC 60721-3-4 | | | 4M5 |
| 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 B |
| Salt Spray | IEC 68-2-11 Ka | 168 h | | |
| Ice And Snow | | | | 25 mm Radial |
| Wind Speed | Survival | | | 220 Km/h |
| | Operation | | | 160 Km/h |
| Wind Load | Front Thrust | | | 150 kg |
| Survival | Side Thrust | | | 3.7 kg |

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