

High-Power Wideband Marine Monocone

500 – 6000 MHz

Product Code: MONO-A0094

VERSION: 1.2



SPECIFICATIONS:

| Product codes: | |
|---|--|
| MONO-A0094 | 500 – 6000 MHz N(f) connector |
| Electrical: | |
| Frequency range | 500 – 6000 MHz |
| VSWR | < 2.5:1 (see graph) |
| Power handling | |
| 500 – 1000 MHz | 450 W |
| 1000 – 3000 MHz | 250 W |
| 3000 – 6000 MHz | 200 W |
| Gain | See graph |
| Elevation 3 dB beamwidth | > 30° |
| Azimuth ripple | < 1 dB |
| Nominal input impedance | 50 Ω |
| Polarisation | Vertical |
| Connector | N-type female |
| Groundplane requirements | Groundplane dependent, minimum Ø300 mm recommended |
| Mechanical: | |
| Height | < 150 mm |
| Base diameter | > 140 mm |
| Weight | < 2 kg |
| Mounting base | NATO flange 4 and 6 holes |
| Environmental: designed to meet the following specifications | |
| Wind loading | 300 km/h |
| Temperature (operational) | - 40 °C to + 55 °C (no icing) |
| Shock | 20 G at 10 msec |
| Thermal shock | - 20 °C to +70 °C: 10 cycles |
| Water ingress rating | IP 65 (NEMA 4X) |

PRODUCT FEATURES:

- Wide frequency coverage (500 to 6000 MHz)
- High-power
- Omni-directional azimuth pattern
- Rugged and hard-wearing
- Suited to maritime applications

APPLICATIONS:

- Improvised explosive device (IED) suppression
- Communications interception

PRODUCT DESCRIPTION:

The MONO-A0094 is a high-power wideband monocone antenna designed for high-power applications in the 500 to 6000 MHz frequency band.

The antenna has a consistently low VSWR across the entire frequency band. It can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications.

The antenna is designed for use on a maritime platform and its high strength housing is impervious to shocks, vibration and solvents.

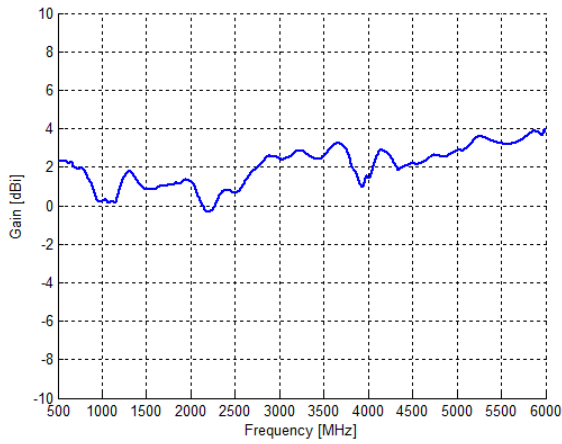
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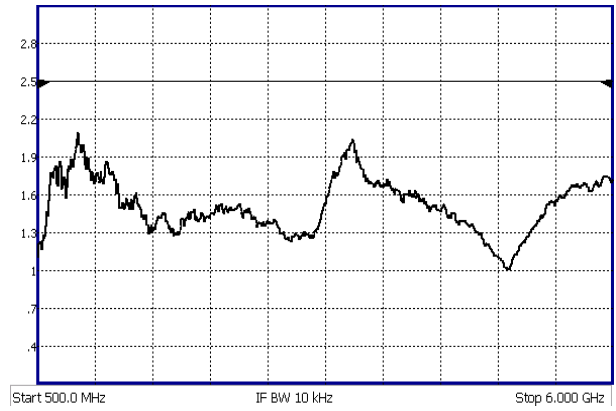
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GAIN:



VSWR:



SIMULATED NORMALISED ELEVATION PATTERN:

