Product Brief | NPI

Wireless

Outdoor Antenna

GNSS L1/L2/L5 Timing Antenna

YAGEO GROUP
Built into Tomorrow

PRODUCT OVERVIEW

GNSSL125DM26NM is an "N" bulkhead mount GNSS antenna designed for outdoor **timing** and **synchronization** systems requiring **multi-band L1/L2/L5** support.
The antenna combines an **IP67** rating with an active stacked ceramic patch with **integrated filtering and amplification** to maintain stable GNSS performance in exposed, RF-dense infrastructure environments.

Quick Facts

GNSS Bands: L1 / L2 / L5 NEW
Polarization: RHCP
Mounting: "N" male plug connector
Active Gain (typ.): 28–33 dB (band-dependent)
Operating Voltage: 2.5–18 VDC

Contact & Information

Visit our Product Pages on YAGEOGroup.com

Key Selling Points

Features

- **Multi-band GNSS support for L1, L2, and L5 operation**
- **Active stacked ceramic patch architecture**
- **Integrated low-noise amplifier with interference rejection**
- **Low current consumption for infrastructure equipment**
- **IP67-rated enclosure for outdoor deployments**

Customer Value

- Enables multi-frequency GNSS timing architectures
- Maintains signal stability in RF-dense environments
- Simplifies mechanical integration using N bulkhead mounting
- Supports a wide range of infrastructure power supplies
- Reduces system complexity by eliminating external LNAs or filters
- UL 94 V0 flammability and UL f1 UV resistance rating, support use in sensitive and regulated installations.

Target Applications

- **GNSS timing and synchronization systems**
- **Base stations and small-cell infrastructure**
- **Network clocks and GNSS-disciplined oscillators**
- **Outdoor timing enclosures and cabinets**
- **Smart grid and utility infrastructure**
- **Transportation and transit timing systems**

Market Advantages

- L1/L2/L5 capability beyond legacy L1-only timing antennas
- Wide supply voltage compatibility for timing equipment
- Compact form factor compared to tall timing antenna assemblies
- Integrated filtering reduces susceptibility to LTE and 5G interference
- Standard N-type interface aligned with timing ecosystems