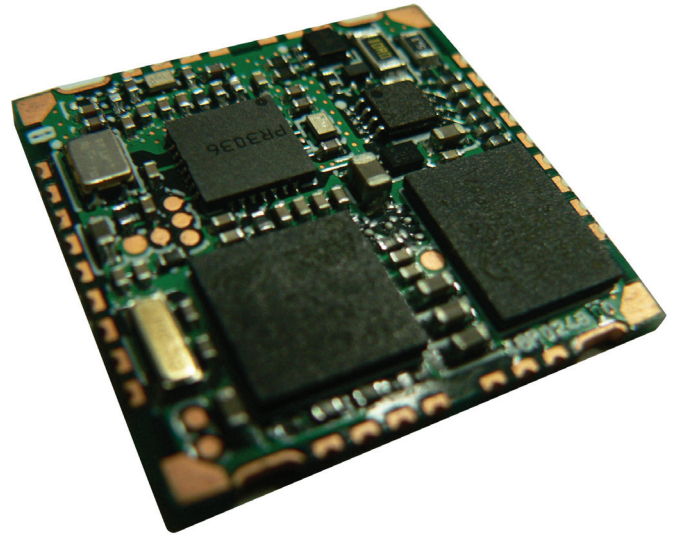


The Furuno GN-84A is a miniature high-sensitivity, low power GPS/AGPS receiver that combines a hardware measurement platform (MP) with powerful navigation software. It delivers fast, accurate positioning data in the most challenging locations such as deep urban canyons.

The GN-84A employs novel decoding algorithms, effectively achieving 44,000 correlators. This results in very fast TTFF and signal retention.

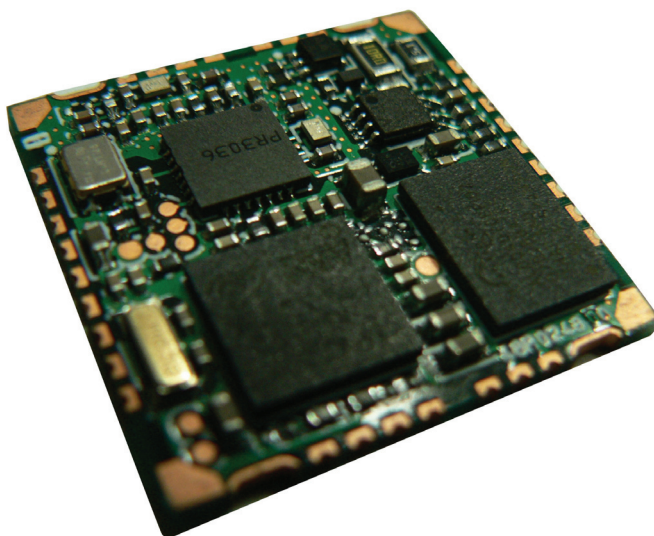
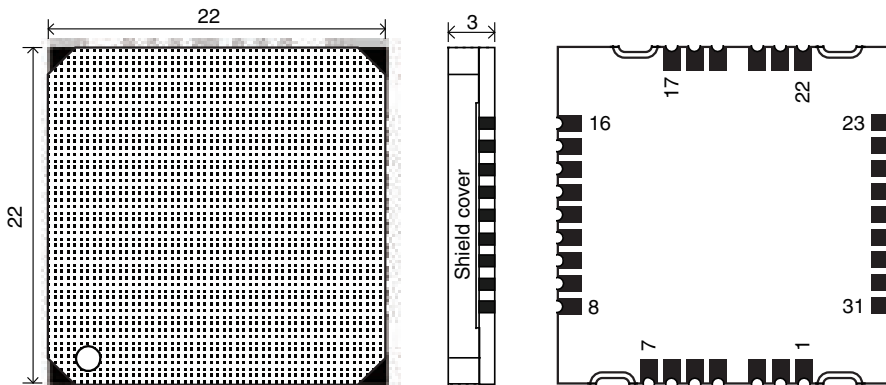
GN-84A GPS Receiver



SPECIFICATIONS OF FURUNO GN-84A GPS RECEIVER:

GENERAL	
Number of Channels	32 while acquiring, 12 while tracking
Receiving Frequency	1575.42MHz±1MHz
Data Update Rate	Every second
Communication Protocol	NMEA or Furuno Binary
Sensitivity	-145dBm cold start, -160dBm tracking
Interface	3.3V C-Mos
Baud Rate	9600 bps
Supply Voltage	3.3VDC±0.3VDC(1V±0.1V can be supplied externally)
Operation Temperature	-30°C to 85°C
ACQUISITION TRACKING	
Initial acquisition Time (hot start)	2 seconds
Initial acquisition Time (warm start)	33 seconds
Initial acquisition Time (cold start)	38 seconds

All specifications subject to change without notice



Features:

- 32 channel (12 channel tracking) receiver/baseband processor chip set operates in Autonomous and Assisted-GPS mode
- -161dBm sensitivity ensures excellent reception in the most demanding applications including urban canyons, obstructions and indoor operations
- < 1 sec TTFF re-acquisition insures excellent performance and user satisfaction
- Excellent .9-3m typical accuracy
- Compact and thin Surface Mount Device (SMD) package
- Miniaturized footprints available: 20mm x 20mm x 5mm or 16mm x 14mm x 3mm. Both support many new designs.
- NMEA and/or Binary protocols switchable as standard
- Provides full PVT (Position/Velocity/Time) solutions
- RoHS Compliant
- Position calculation software is optimized for multiple applications

FURUNO®

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