

SYNFinity

Unleash Precision with Synzen's CHARON Front-End GNSS Module!

Technical Specifications:

L1+B1+G1/L2/L5 bands (1166-1249; 1559-1609MHz) Two-stage amplifiers (LNA) with >25dB Gain Dimensions: 15.5 x 15 x 3.5 (mm) Voltage (Vin): +1.8 to 5.5VDC Current Consumption = 10mA at 1.8V Surface-mount for easy assembly RoHS & REACH Compliant





APPLICATIONS

RTK Applications Drones Asset Tracking Wearable Tech Precision Agriculture Autonomous Vehicles Surveying and Mapping Timing and Synchronization

Ease-of-Integration: Seamless integration with an all-in-one solution, filter efficiency, and low-noise design.

Low-Noise System Design: Integrated pre-filters within CHARON provide outstanding out-of-band rejection.

Dual-Gain Stage Architecture: CHARON incorporates cascaded LNAs, pre-filters, delivering high gain to the GNSS receiver without sacrificing signal-to-noise performance.

Low-Profile Form Factor: With a small footprint and low-profile design, CHARON saves valuable space, eliminating the need for external components and complex routing.

SZA-N-4G32 Standard EVK with SMA connectors to enable easy testing





Contact

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| Enhanced Reception: CHARON's advanced design ensures superior signal reception, even in challenging environments, providing accurate and reliable navigation data.

| Space-Saving Design: The compact form factor of CHARON eliminates the need for external components, saving valuable space in your applications.

| Versatility: Accommodate multiple band configurations effortlessly, thanks to CHARON's exceptional out-of-band rejection capabilities.

| Effortless Integration: Simplify your development process with CHARON's all-in-one solution, streamlining impedance matching, filter efficiency, and low-noise design.



SZDV-2-4G32 Evaluation kit with Telit module SE868K5-D

Linear antenna option using Synzen multiband GNSS antenna ZENDE

Circular polarized antenna option using Synzen ceramic dual band DIONE

Telit receiver SE868K5-D Mult constellation and High-Precision GNSS

Ability to functionally test our FEM module with antenna options with the Telit receiver

Works with both Telit View software and Synzen GNSS viewer tool







Contact Us

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