English

OM7697

GPS/GNSS low-noise amplifier evaluation board using BGU7007

Demo board description

The BGU7007 GPS LNA evaluation board simplifies the evaluation of the BGU7007 LNA for the GPS application. The evaluation board enables testing of the device performance and requires no additional support circuitry. The board is fully assembled with the BGU7007, the input series inductor and a decoupling capacitor. The board is supplied with two SMA connectors for input and output connection to RF test equipment. The BGU7007 can operate from a 1.5 V to 2.85 V single supply and consumes about 4.7 mA.

Features

- Two SMA connectors for input and output connection to RF test equipment
- Evaluation of the power on settling time t_{on} and the power off settling time t_{off}

Descriptive summary

Evaluation board content
BGU7007 LNA evaluation board in ESD safe packing

Applications
LNA for GPS, GLONASS and Galileo in smart phones, feature phones, tablet PCs, Personal Navigation Devices, Digital Still Cameras, Digital Video Cameras, RF Front End modules, complete GPS chipset modules and theft protection (laptop, ATM).

All information on this product information page is subject to the subsequent disclaimers:

- General product disclaimer
- Quality and reliability disclaimer

Documentation for this product

Filename	Type	Format	Title	Date
UM10459	User manual	pdf	User manual for the BGU7007 GPS LNA evaluation board (v.1.0)	2011-04-04

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7697/BGU7007	9340 656 92598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7007	SiGe:C LNA MMIC for GPS, GLONASS, Galileo and Compass		Download datasheet Order sample

Support

If you have any questions related to this product please contact our support team via the support form:
http://www.nxp.com/techsupport/