



OM7804

GPS low-noise amplifier evaluation board using BGU7004

Demo board description

The BGU7004 GPS LNA evaluation board simplifies the evaluation of the BGU7004 GPS LNA for the GNSS application. The evaluation board enables testing of the device performance and requires no additional support circuitry. The board is fully assembled with the BGU7004, 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 BGU7004 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

BGU7004 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).

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- General product disclaimer
- Quality and reliability disclaimer

Documentation for this product

[Download all documentation \(zip\)](#)

Filename	Type	Format	Title	Date
UM10491	User manual	pdf	User manual for the BGU7004 GPS LNA evaluation board (v.1.0)	2011-06-30

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7804/BGU7004	9340 660 73598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7004	SiGe:C Low Noise Amplifier MMIC for GPS		Download datasheet Order sample

Support

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<http://www.nxp.com/techsupport/>