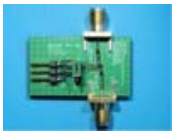
English



OM7806

GPS low-noise amplifier front-end evaluation board using BGU7007

Demo board description

The BGU7007 GPS front-end evaluation board simplifies the evaluation of the BGU7007 LNA for the GPS application. Two Surface Acoustic Wave filters have been added to facilitate the evaluation of the complete GPS front-end. The board is fully assembled with the BGU7007, two identical SAW filters, 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 FE 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
AN11101	Application note	pdf	BGU7007 GPS front end evaluation board (v.1.0)	2011-09-13

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7806/BGU7007	9340 661 27598		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/