NXP

OM7624

GPS/GNSS low-noise amplifier evaluation board using BGU7005

Demo board description

The BGU7005 GPS LNA evaluation board simplifies the evaluation of the BGU7005 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 BGU7005, 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 BGU7005 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
BGU7005 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

Download all documentation (zip)

Filename	Type	Format	Title		Date
UM10380	User manual	pdf	User manual for the BGU7005 GPS LNA evaluation board (v.1.0)		2009-11-10

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7624/BGU7005	9352 902 56598		Volume production						
OM7624/BGU7005FE	9352 902 57598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7005	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/