English



OM7622

GPS low-noise amplifier evaluation board using BGU7003

Demo board description

The BGU7003 GPS LNA evaluation board simplifies the evaluation of the BGU7003 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 BGU7003, including the input and output matching circuitry as well as a decoupling capacitors to optimize the performance. The board is supplied with two SMA connectors for input and output connection to RF test equipment. The BGU7003 board is optimized for 2.5 V operation and consumes about 5 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
BGU7003 GPS 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
UM10339	User manual	pdf	User Manual for the BGU7003 GPS LNA demo boards v2.0 (v.1.0)	2011-09-16

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7622/BGU7003	9352 888 92598		Volume production						Buy
OM7622/BGU7003/2400	9352 897 69598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7003	Wideband silicon germanium low noise amplifier MMIC		Download datasheet Order sample

Support

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