



OM7815

GPS low-noise amplifier front-end evaluation board using BGU7008

Demo board description

The BGU7008 GPS front-end evaluation board simplifies the evaluation of the BGU7008 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 BGU7008, 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 BGU7008 can operate from a 1.5 V to 2.85 V single supply and consumes about 4.7 mA.

Features

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

Descriptive summary

Evaluation board content

BGU7008 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

Filename	Type	Format	Title	Date
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Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7815/BGU7008/FE	9340 662 75598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7008	SiGe:C Low Noise Amplifier MMIC for GPS, GLONASS and Galileo		Download datasheet Order sample

Support

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