



## 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 |        | <a href="#">Download datasheet</a><br><br><a href="#">Order sample</a> |

### Support

If you have any questions related to this product please contact our support team via the support form:

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