



OM7808

Low-noise amplifier evaluation board using BGU7003W matched to high impedance antenna load for FM radio

Demo board description

The BGU7003W LNA evaluation board simplifies the evaluation of the BGU7003W LNA for FM radio application. The evaluation board enables testing of the device performance and requires no additional support circuitry. The board is fully assembled with the BGU7003W, 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 BGU7003W board is optimized for 2.8 V operation and consumes about 4.3 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

BGU7003W LNA evaluation board in ESD safe packing

Applications

FM radio applications using embedded antenna's

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- General product disclaimer
- Quality and reliability disclaimer

Documentation for this product

[Download all documentation \(zip\)](#)

Filename	Type	Format	Title	Date
AN11034	Application note	pdf	High Ohmic FM LNA for embedded Antenna in Portable applications with BGU7003W (v.1.0)	2011-07-25

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM7808/BGU7003W/FMHI	9340 661 92598		Volume production						

Products

Type number	Description	Status	Quick access
BGU7003W	Wideband silicon germanium low noise amplifier MMIC		Download datasheet Order sample

Support

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