

# General Purpose Amplifier Evaluation Kits: Optimized for Band 1, Band 3 and Band 7

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## Product Overview:



### Typical Performance

Characteristics	Symbol	B3: 1805-1880 MHz	B1: 2110-2170 MHz	B7: 2620-2690 MHz	Unit
Small Signal Gain (S21)	$G_p$	15	15	13.5	dB
Power Output @ 1dB Compression	P1dB	25	25.8	25	dBm
Third Order Output Intercept Point	OIP3	40	40.5	40	dBm
Input Return Loss (S11)	IRL	-11	-12	-11	dB
Output Return Loss (S22)	ORL	-12	-13	-24	dB
Supply Current	$I_{cc}$	135	135	135	mA

MMG3014N-EVKB1, B3, B7 kits address the 3G Band 1, Band 3, and Band 7 general purpose amplifier applications and demonstrate typical board performance of the MMG3014N GPA. The MMG3014N GPA can be matched down to 40 MHz and up to 3800 MHz and targets mobile radio application as well as general purpose wireless applications. The kit includes a USB flash drive which contains performance data, layout recommendations and a power-up sequence.

**Benefits:**

- Optimized matching for the band of interest
- Power efficient, small footprint layout
- Exceptional thermal performance

**Related Documentation:**

<i>MMG3014N-EVKB1</i>	<i>Description</i>
<a href="#">Data Sheet</a>	Can be downloaded from Freescale Ready
<a href="#">SG46</a>	RF Products Selector Guide
<a href="#">RFGPAFS</a>	RF General Purpose Amplifier Fact Sheet

**Ordering and Availability:**

<i>Orderable Part Number</i>	<i>BN</i>	<i>Resale Price</i>	<i>Important Ordering Information</i>
MMG3014N-EVKB1	Band 1: 2110-2170 MHZ	\$100.00	Available now!
MMG3014N-EVKB3	Band 3: 1805-1880 MHZ	\$100.00	Available now!
MMG3014N-EVKB7	Band 7: 2620-2690 MHZ	\$100.00	Available now!

**For more information – be sure to visit CIA and Freescale Ready, along with the following sites:**

- Freescale RF Low Power Homepage: [www.freescale.com/RFlowpower](http://www.freescale.com/RFlowpower)
- Follow Freescale’s RF Blogs and Twitter (@RFLeonard)