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Product Inquiries

Mobile Phone Devices Marketing Sect.
Mitsubishi Electric Corporation
<http://www.MitsubishiElectric.com/semiconductors/>

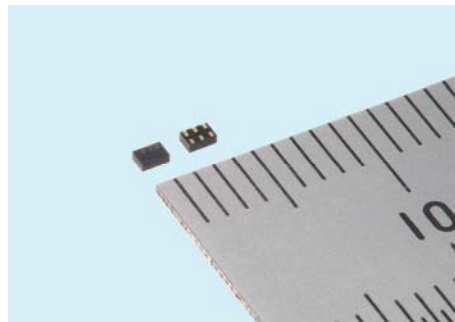
Media Contact

Public Relations Division
Mitsubishi Electric Corporation
prd.gnews@nk.MitsubishiElectric.co.jp
<http://www.MitsubishiElectric.com/news/>

**Mitsubishi Electric to Ship Low-noise, Small-package Amplifier
for Global Positioning Systems**

Will help to downsize GPS circuitry in smartphones and tablets

Tokyo, October 30, 2012 – Mitsubishi Electric Corporation (TOKYO: 6503) announced today it will begin shipping a low-noise, small-package amplifier for global positioning systems (GPS) in mobile devices on November 1. The MGF7301 features industry-leading low-noise of 0.75dB and its small, lead-free package measures just 1.45mm x 1.0mm x 0.5mm, which help to downsize GPS circuitry.



The MGF7301 is the first amplifier of its kind to include external matching elements such as capacitors and inductances. Its 0.75dB low-noise level is achieved with miniaturized transistors, and improves signal reception. The amplifier includes a stand-by mode to save power consumption when GPS is not used.

GPS has become a standard feature in products such as smartphones, tablets, digital cameras and other mobile devices. GPS circuitry must be small due to limited space available in portable devices, and amplifier noise must be low to avoid interfering with the reception of GPS signals from satellites.

Summary of Sale

Model	Shipment start	Monthly Production
MGF7301	Nov. 1, 2012	3,000,000 pieces

Other Features

		MGF7301	
Frequency		1,559MHz – 1,610MHz	
Operating conditions	V_{DD}^{*1}	2.7V	1.8V
	V_{ENABLE}^{*2}	>1.2V	>1.2V
Noise figure	NF	0.75dB	0.75dB
Gain	Gain	19.0dB	18.5dB
Operating current	I_{DD}	5mA	4.5mA
Standby mode	V_{ENABLE}	<0.35V	<0.35V
	$I_{DD}(\text{max})$	10uA	10uA

*1 Supply voltage

*2 Control voltage range for standby mode

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About Mitsubishi Electric

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 3,639.4 billion yen (US\$ 44.4 billion*) in the fiscal year ended March 31, 2012. For more information visit <http://www.MitsubishiElectric.com>

*At an exchange rate of 82 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2012