

FOR IMMEDIATE RELEASE

No. 2449

Product Inquiries

High Frequency Devices Marketing Section
Mitsubishi Electric Corporation
Tel +81-3-3218-3014
Sato.Kazuhiko@aj.MitsubishiElectric.co.jp
<http://www.mitsubishichips.com/>

Media Contact

Public Relations Division
Mitsubishi Electric Corporation
Tel: +81-3-3218-3380
prd.gnews@nk.MitsubishiElectric.co.jp
<http://global.mitsubishielectric.com/news/>

MITSUBISHI ELECTRIC ANNOUNCES SALE OF 7.2V HIGH POWER MOSFET FOR COMMERCIAL RADIOS

Tokyo, December 4, 2008 – Mitsubishi Electric Corporation (President and CEO: Setsuhiro Shimomura) announced today it will begin sample shipments of a 7.2V high-power Metal Oxide Semiconductor Field Effect Transistor (MOSFET) for power amplifiers in commercial radios on December 8, 2008. The MOSFET has an industry top-level drain efficiency¹ of 67 percent at 527MHz, as well as a wide guaranteed operation range of 450-527MHz, an industry first.

1: Rate of electricity converted to high-frequency waves by amplifiers

Summary of Sale

Model	Price of sample (Excl. tax)	Shipment date	Production
RD07MUS2B	US\$3.5	Dec. 8, 2008	3 million pieces/year

Aim of Sale

Commercial radios are widely used by public service authorities such as police and fire departments, as well as in the private sector in such places as airports, event venues and taxis. Highly efficient MOSFETs to be used in power amplifiers for these radios, are in demand to make radio batteries last longer. With more commercial radios becoming used in multi-channels, MOSFETs are also required to operate at a wider range of frequency bands, compared to the previous 527MHz-single band operation. In addition, there is demand for a higher tolerance to electrostatic surges resulting from static electricity in winter. Mitsubishi Electric's new MOSFET meets all these demands.

Product Features

1) Industry top-level efficiency, guaranteed operation at a wide frequency band of 450-527MHz, an industry first

By optimizing the MOSFET structure, Mitsubishi Electric has achieved the industry top-level drain efficiency of 67 percent at 527MHz, which is higher than the 50 percent-efficiency of the company's previous model, the RD07MVS1.

In addition, the 50-percent drain efficiency guaranteed in Mitsubishi Electric's previous model did not cover frequency bands outside 527MHz, but the new RD07MUS2B guarantees a drain efficiency of 58 percent and higher at a wide frequency band of 450-527MHz, an industry first.

This accomplishment will contribute to the production of multi-channel radios, and longer lasting radio batteries.

2) Higher tolerance to electrostatic surge, an industry top-level feature

The built-in gate protection diode helped achieve an industry top-level surge tolerance of 5 kilovolts and higher for gate sources, and 3 kilovolts and higher for drain sources. This improvement makes anti-electrostatic measures simple.

For the Environment

The model is compliant with *Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS)*.

About Mitsubishi Electric

With over 80 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation (TSE: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. The company recorded consolidated group sales of 4,049.8 billion yen (US\$ 40.5 billion*) in the fiscal year ended March 31, 2008. For more information visit <http://global.mitsubishielectric.com>

*At an exchange rate of 100 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2008

###