

**FOR IMMEDIATE RELEASE**

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**MITSUBISHI ELECTRIC ANNOUNCES SALE OF XLMD-MSA  
COMPLIANT 43Gbps OPTICAL TRANSMITTER AND RECEIVER  
DEVICES**

**Tokyo, December 18, 2008** – Mitsubishi Electric Corporation (President and CEO: Setsuhiro Shimomura, Tokyo Stock Exchange: 6503) announced today the launch of two 43Gbps optical devices compliant with the *40Gbps Miniature Device Multi Source Agreement*<sup>1</sup> (XLMD-MSA): the FU-697SEA, the world's first<sup>2</sup> XLMD-MSA compliant external-modulation laser transmitter device with a built-in driver IC; and the FU-397SPP, an XLMD-MSA compliant photodiode with a trans-impedance amplifier (PIN-TIA) receiver device at the opposite end that realizes wide dynamic range. Sample shipments of both products will begin on February 1, 2009.

<sup>1</sup> A multi-source agreement effective from March 2007 among Eudyna Devices Inc., Mitsubishi Electric Corp., NEC Electronics Corp., Oki Electric Industry Co., Ltd., Opnext Inc. and Sumitomo Electric Industries, Ltd.

<sup>2</sup> As of December 18, 2008.

These devices will be displayed at the Fiber Optics EXPO (FOE 2009) in Tokyo from January 21-23, 2009.

**Summary of Sale**

Product	Model	Sample price	Sample shipment date
XLMD-MSA compliant 43Gbps external-modulation laser transmitter device with a built-in driver IC	FU-697SEA	650,000 yen	Feb. 1, 2009
XLMD-MSA compliant 43Gbps PIN-TIA receiver device	FU-397SPP	500,000 yen	

**Aim of Sale**

With increased Internet traffic in recent years, service providers have been rushing to expand the transmission volume of optical communication networks. In order to increase optical transmission speed between metropolitan area networks and routers, there is growing demand for network replacements that achieve a transmission speed of 43Gbps, up from the previous 10Gbps. In February 2008, leading optical

device manufacturers including Mitsubishi Electric announced common specifications for pigtail-type optical devices based on the XLMD-MSA, but XLMD-MSA compliant transmitter and receiver devices were yet to be launched by a single manufacturer.

Mitsubishi Electric will be the first optical device manufacturer in the world to ship XLMD-MSA compliant optical devices for both ends of optical transmission. These transmitter and receiver devices will contribute to the spread of 43Gbps optical transmission networks.

### **Product Features**

#### ***1) World's first XLMD-MSA compliant 43Gbps optical transmitter device (FU-697SEA)***

The FU-697SEA is the world's first XLMD-MSA compliant transmitter device. The single-chip driver IC and the external-modulation laser are assembled in a package 15 percent smaller than that of the FU-642SEA, Mitsubishi Electric's previous model.

#### ***2) High extinction ratio performance with original bias circuit, contributing to greater stability in network communication (FU-697SEA)***

The transmitter device incorporates Mitsubishi Electric's original built-in bias circuit, which sends DC bias voltage to the modulator independent from the circuit connecting the driver IC. With this improvement, the driver IC output voltage is effectively applied to increase the on/off extinction ratio performance in optical transmission, thus contributing to greater stability in network communication.

#### ***3) XLMD-MSA compliant PIN-TIA receiver device with wide dynamic range (FU-397SPP)***

The FU-397SPP uses an XLMD-MSA compliant package, whose size is 30 percent smaller compared to the FU-342SPP, Mitsubishi Electric's previous model launched in April 2008. The new model has high reception performance with a wide dynamic range of over 9dB.

### **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 (Tokyo Stock Exchange: 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\$ 40.5billion\*) 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.