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**MITSUBISHI ELECTRIC ANNOUNCES SALE OF 1.3-MICROMETER
BAND TRANSMITTER OPTICAL SUB ASSEMBLY LASER MODULE
FOR 10Gbps OPTICAL TRANSMISSION**

Tokyo, June 30, 2009 – Mitsubishi Electric Corporation (President and CEO: Setsuhiro Shimomura) (TOKYO: 6503) announced today the launch of a 1.3-micrometer band transmitter optical sub assembly (TOSA) laser module, the FU-456RDF-9M2, for 10Gbps optical transmission. The module complies with the two standards for optical transceivers—XFP¹ and SFP+²—as well as XMD-MSA³, which is a standard for optical transmission devices. The FU-456RDF-9M2 functions at low operating current and a wide temperature range of -20 to 95 degrees Celsius. Shipments will begin on July 1, 2009.

- 1: 10 Gigabit small form factor pluggable module. A standard for optical transceivers made to unify SONET, SDH, Ethernet, fiber channels and other data transmission standards. Module size is 13.3mm (H) x 22.15mm (W) x 77.9mm (D).
- 2: Enhanced 8.5 and 10 Gigabit small form factor pluggable module. A standard for optical transceivers made to unify Ethernet, fiber channels and other data transmission standards. Module size is 13.3mm (H) x 13.4mm (W) x 56.5mm (D).
- 3: 10Gbps Miniature Device Multi-Source Agreement. A unified standard for mechanical and electric interfaces of small optical devices installed in XFP.

Summary of Sale

Model	Specifications	Sample price (w/o tax)	Shipment date
FU-456RDF-9M2	10Gbps DFB-LD transmitter optical sub assembly laser modules	20,000 yen	July 1, 2009

Aim of Sale

Carriers have been rushing to expand metro area fiberoptic communications networks to respond to the recent increase in traffic due to the spread of ADSL, Fiber To The Home (FTTH), and other high-speed, large-volume communication services for the residential market. Similarly, there is a growing demand to increase transmission capacity in high-speed storage area networks (SAN), which also use optical fiber to transmit data between storage devices and servers in cases such as transmitting music, images and other digital content, or to be used in high-volume databases for companies.

In these networks, the mechanics and electronics in optical transceivers follow either XFP or SFP+, which are typical standards for 10Gbps optical transceivers, while the mechanics and electronics in optical devices follow the XMD-MSA standard. With increasing demand for high-density mounting in optical transceivers to release heat from the devices, optical transceivers need to operate with lower power consumption and in a wider temperature range.

Product Features

1) Wide operating temperature range with newly-developed DFB-LD in a compact XMD-MSA-compliant package

As it is difficult for equipment to release its internal heat due to the high-density mounting of the optical transceiver, the TOSA is required to operate over a wider temperature range than before.

The FU-456RDF-9M2 incorporates a newly developed, distributed feedback laser diode (DFB-LD), which enables the TOSA to be operated at a wide temperature range of -20 to 95 degrees Celsius, a wider range than the -5 to 85 degrees Celsius range made available by the company's previous TOSA model, the FU-456RDF-8M2. Despite the wider operating temperature range, the new model has the same compact package size, also compliant with the 10Gbps miniature device multi-source agreement (XMD-MSA).

2) Lower operating current of 25mA reduces power consumption in networks

Typically, TOSAs use a large amount of electricity to attain a response fast enough for 10Gbps high-speed transmission. To reduce power consumption in optical transceivers, it is essential for DFB-LDs to operate at a lower current.

Mitsubishi Electric has developed a highly efficient DFB-LD that can operate at 25mA at 25 degrees Celsius—a 40 percent lower operating current compared to the 35mA in the company's previous models. This improvement will lead to lower power consumption in networks.

Future Developments

Mitsubishi Electric will continue development to further increase the performance and output of TOSA, and plans to further expand its lineup.

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: 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 3,665.1 billion yen (US\$ 37.4 billion*) in the fiscal year ended March 31, 2009. For more information visit <http://global.mitsubishielectric.com>

*At an exchange rate of 98 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2009.

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