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MITSUBISHI ELECTRIC DEVELOPS LOW POWER CONSUMING 10 Gbps XFP TRANSCEIVER MODULE FOR OPTICAL COMMUNICATION

Tokyo, March 6, 2007 – Mitsubishi Electric Corporation (President and CEO: Setsuhiro Shimomura) announced today it has developed a new 10 Gbps transceiver module capable of a 40 km optical communication transmission. The module has the lowest power consumption in the industry¹, and complies with the 10 Gbps Form-factor Pluggable Extended Multi-Source Agreement (XFP MSA), the industrial standard for small optical transceivers. Sample shipment will begin on March 6.

¹as of March 6, 2007

Sale Summary

Product name	Specification	Price of sample (w/o tax)	Date of sample shipment	Planned date of production
MF-10KSXA-008ZA	<ul style="list-style-type: none"> - Wavelength: 1550nm - Power consumption: less than 2.5W - Size: W22.15, D77.9, H13.3 [mm] - Transmission distance up to 40km - Chromatic dispersion: 800ps/nm (at transmission distance of 40km) - 9.95G-11.1Gbps multi-rate operation - Operating temperatures range: -5C-+70C - Electrical interface: XFP MSA 4.0 Serial Interface (XFI) 	\$1, 700	March 6, 2007	May 2007

Aim of Sale

With the dissemination of high-speed, high-volume communication services such as VoIP (Voice over Internet Protocol), Internet Protocol Television etc., there has been a rush to expand the communications network in long distance trunk lines and metropolitan areas to keep up with sudden increases in communication traffic. To reduce installation costs, there has been strong demand by communication device manufacturers for a small, low power consumption optical transceiver that can provide multiple functions in one optical transmission device.

Mitsubishi Electric has manufactured XFP MSA-compliant 10Gbps optical communication transceivers, but has worked to further reduce power consumption of the device. This new XFP MSA-compliant transceiver module has the industry's lowest power consumption, and is also capable of a 40 km transmission.

Product Characteristics

1) Industry's lowest power consumption (2.5W)

We developed a new low power consumption, light-modulated integrated laser, an optical device with a semiconductor optical modulator and laser diode in one chip that has low wavelength fluctuation even during high modulation. Using this as a light source, we reduced power consumption to 2.5W, approximately 30% less compared to previous model MF-10KSXB003, and the lowest in the industry.

2) Reduced power consumption, potential for increased functions added to single module

By reducing energy consumption to the lowest level in the industry, we can add additional modules without increasing the power capacity of the optical transmission device. This will allow up to a 30% increase in the number of modules that can be added to a single optical communications device and reduce installation costs.

3) 10 Gbps multirate ready eases system construction

Using well-established PLL circuitry² capable of transmission rates of 9.95-11.1 Gbps will ease construction of optical transmission systems of differing transmission rates, such as SONET/SDH³, 10Gb Ethernet, and 10 Gbps fiber channel⁴.

²Phase Locked Loop: electronic circuit that can oscillate correctly synchronized output signals with input signals by detecting frequency and phase error of input and output signals and controlling it with a synchronizer, etc.

³Synchronous Optical NETwork/Synchronous Digital Hierarchy: international standard for high speed fiber optic digital communication. It is called SDH mainly in Europe and SONET in North America

⁴high speed transmission device that connects computers to peripheral devices such as external memory units

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 3,604 billion yen (US\$ 30.8billion*) in the fiscal year ended March 31, 2006. For more information visit <http://global.mitsubishielectric.com>

*At an exchange rate of 117 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2006.