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**MITSUBISHI ELECTRIC ANNOUNCES SALE OF SFP TRANSCEIVER
MODULE FOR DWDM LONG DISTANCE TRANSMISSION**

Tokyo, July 19, 2007 – Mitsubishi Electric Corporation (President and CEO: Setsuhiro Shimomura) announced today it has developed a 2.5 Gbps Dense Wavelength Division Multiplexing (DWDM¹) optical communications transceiver. The transceiver is capable of long distance communications of up to 160 km over single mode fiber, one of the highest in the industry, and is compliant with the Small Form factor Pluggable Multi-Source Agreement (SFP MSA²). Shipment of samples will begin on October 1, 2007.

¹ A signal transmission technique that multiplexes different wavelengths of light

² Industry specification standard that regulates dimensions etc. of optical transceiver devices to allow hot swapping

Summary of Sale

Model name	Optical output	Key features	Sample Price (w/o tax)
MF-27WXE-M12ZA	0-4 dBm	Wavelength: 1530-1560nm DWDM Reach: 160km	170,000 yen
MF-27WXE-M22ZA	3-7 dBm	Bit rate: 0.1-2.7Gbps multi-rate Operating temperature: -5-70C	200,000 yen

Background and Applications

Carriers have been rushing to expand metro area fiber optic communications networks with recent increases in traffic due to the spread of ADSL, Fiber To The Home (FTTH), and other high speed, large volume communication services to the residential market. To further increase the transmission volume of metro area optical transmission devices, manufacturers have been looking for a DWDM device that is small with low power consumption that can also transmit long distances.

Mitsubishi Electric started production of the SFP MSA compliant, MF-27WXE series DWDM optical communication transceiver in April of this year. With the new MF-27WXE series, we have developed 2

devices aimed at further increasing transmission distance to 160 km, one of the highest in the industry. Adding these 2 new products, Mitsubishi Electric's line up of 2.5 Gbps, SFP MSA compliant optical communication transceiver modules increases to six.

Main characteristics

Capable of 160km transmission over single mode fiber

Transmission distance of SFP MSA compliant, 2.5Gbps DWDM optical transmission transceiver modules has been limited to 120km. This is because of light waveform degradation from optical fiber wave dispersion properties affected by chirp³ at time of modulation. By using a semiconductor laser developed in house that reduces chirp as well as optimizing laser driver circuitry, we developed a transceiver module capable of 160km long distance transmission.

³ Deviation of instantaneous light color or wavelength caused by high-speed semiconductor laser modulation

Multi-rate operation from 100Mbps to 2.7Gbps

The transceiver is capable of transmission speeds from 100Mbps low speed to 2.7Gbps high speed, just like previous devices. This simplifies constructing optical transmission systems of varying transmission speeds, such as Fast Ethernet, SONET⁴ STM-1/SDH⁵ OC-3, STM-4/OC-12, Giga-bit Ethernet, Fibre Channel, STM-16/OC-48, and OTN-1.

⁴ Synchronous Optical NETWORK (SONET): standard that supports digital network using optical fiber.

⁵ Synchronous Digital Hierarchy (SDH): standard that supports digital network using optical fiber.

Real time module monitoring possible with SFF8472 compliant DDM function⁶

By including industry SFF8472 standard compliant DDM function, it is possible to monitor operating conditions of the module. This means a smaller, denser, lower cost module since an external monitoring circuit is no longer needed.

⁶ Digital Diagnostic Monitoring (DDM): function that digitally monitors transceiver operation

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, group sales of 3,855.7 billion yen (US\$ 32.7billion*) in the fiscal year ended March 31, 2007. For more information visit <http://global.mitsubishielectric.com>

*At an exchange rate of 118 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2007.