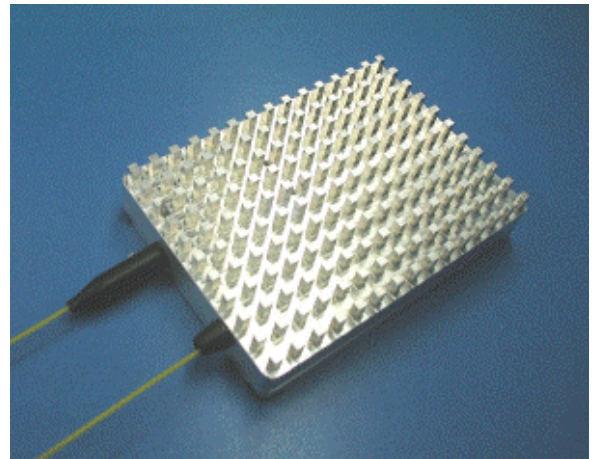


OD-J8665/J8666

10Gbps SFF Optical Transceiver with 16-channels MUX/DEMUX for Intermediate-Reach

FEATURES

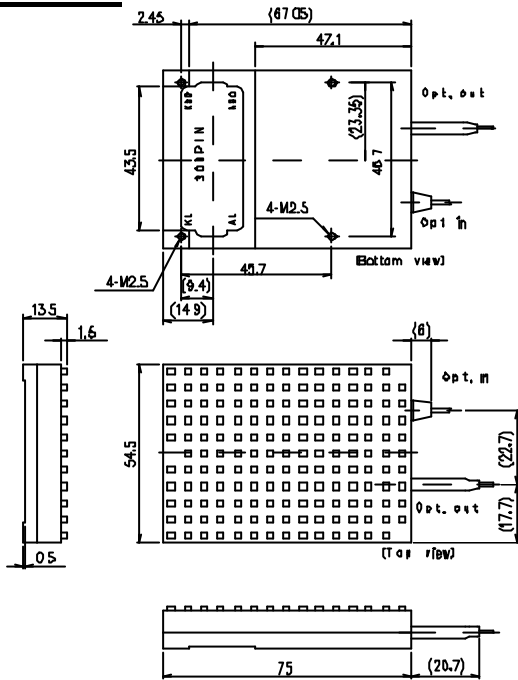
- 300-pin MSA-SFF compliant
- Designed for SONET / SDH / ATM Systems
- OC-192 SR-2 [25km], IR-2 [40km] compliant
- Cooled EML transmitter and pin-PD receiver
- 622.08-Mbps LVDS Input / Output interface
- Power Supply Voltage: +3.3V, +1.8V and -5.2V
- Low Power Consumption: 4.0W (Typ.)
- Operating Case Temperature Range: -5 to 70°C



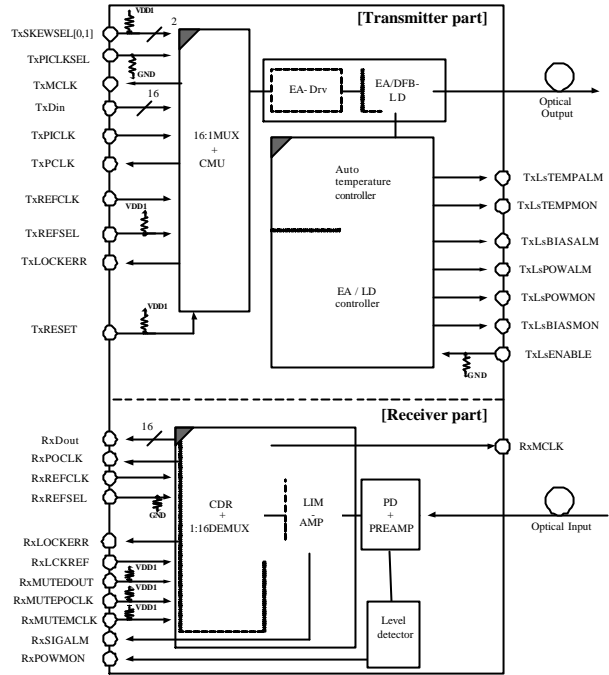
PERFORMANCE

Parameter	Performance	
Transmission Data Rate	9.95Gbps	
Pigtail Fiber	Pigtail Fiber: SMF, Pigtail Length: 1 m each	
Transmitter Output Optical Interface	OD-J8665	Launched Power: -5 to -1 dBm
	OD-J8666	Launched Power: -1 to +2 dBm
	Wavelength: 1530-1565 nm Extinction Ratio: 8.2 dB min.	
Receiver Input Optical Interface	OD-J8665/ OD-J8666	Minimum Sensitivity: -14dBm max Overload: -1 dBm min.
	Optical Return Loss: -27 dB	
Data I/O Signals	622.08 Mbps x 16-channels	
Operating Case Temp.	-5 to 70 °C	
Power Supply Voltage	+3.3V, +1.8V and -5.2V	
Power Consumption	T _c =25°C	4.0W typ.
	T _c =70°C	6.0W typ. (9.2W max.)
Dimension	75 x 55 x 12/13.5/16 (mm) ;see Order-form	
Alarm Function	Tx: Optical output alarm, LD bias alarm Rx: Loss of signal alarm	
Monitor Function	Tx: Optical output power monitor, LD bias monitor Rx: Photo current monitor	

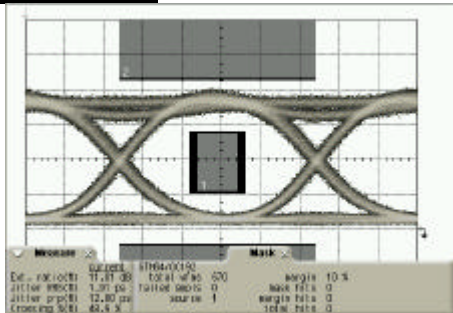
Dimension



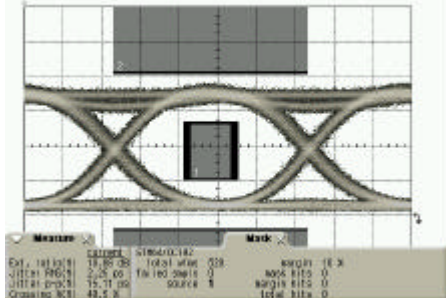
Block Diagram



Performance



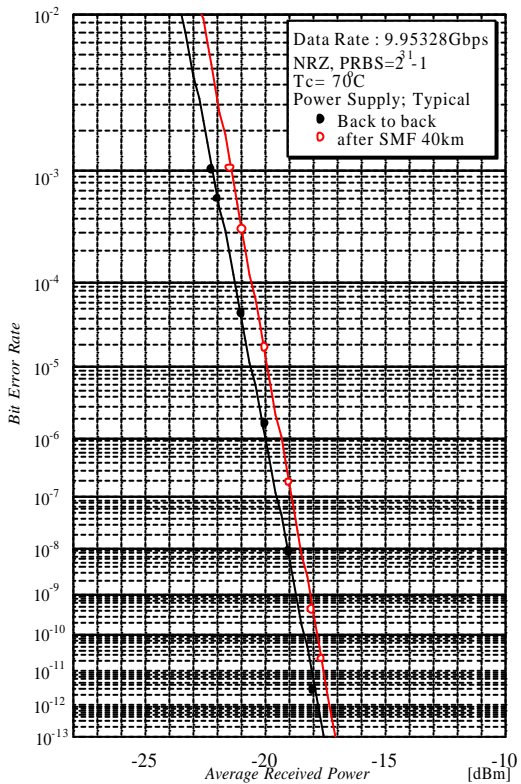
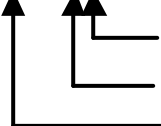
Tc=25 °C, Power consumption=4.0W



Tc=70 °C, Power consumption=6.0W

Output waveform (filtered)

Order form: OD-J866x-0xx1



Bit Error Rate Characteristics

[Package height] 0:16mm, 1:13.5mm, 2:12mm (flat top)

[Connector] A: SC, B: FC, C: MU, D: LC

[Application] 5: SR-2 (25km), 6: IR-2 (40km)

Sales Department, Fiber Optic Devices Division
Optical Network Operations Unit, NEC Networks
NEC Corporation
1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8666, Japan
Tel: +81-44-435-5412 Fax: +81-44-435-5109

<http://networks.nec.co.jp/on/dd/en/>

EWV-19-0030-02E August 2002

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NEC Electronics (Europe) GmbH
Sales and marketing of semiconductors across Europe
Oberratherstr. 4, 40472 Dusseldorf, Germany
Tel: +49-211-6503-979 FAX: +49-211-6503-358

USA & CANADA
NEC FiberOptech, Inc.
10050 North Wolfe Road, Suite SW1-290 Cupertino, CA 95014, USA
Tel: +1-408-863-2000 Fax: +1-408-863-2019

