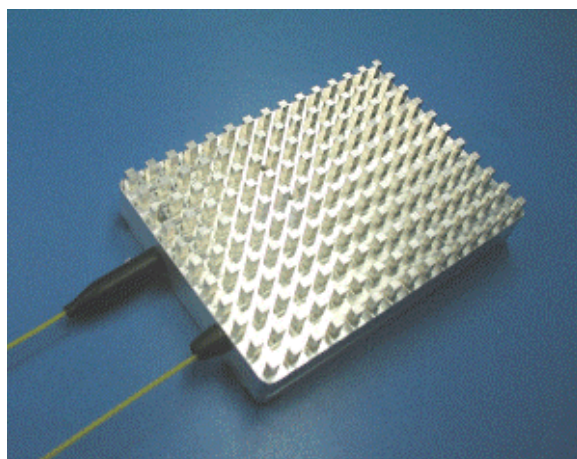


OD-J8665/J8666

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

FEATURES

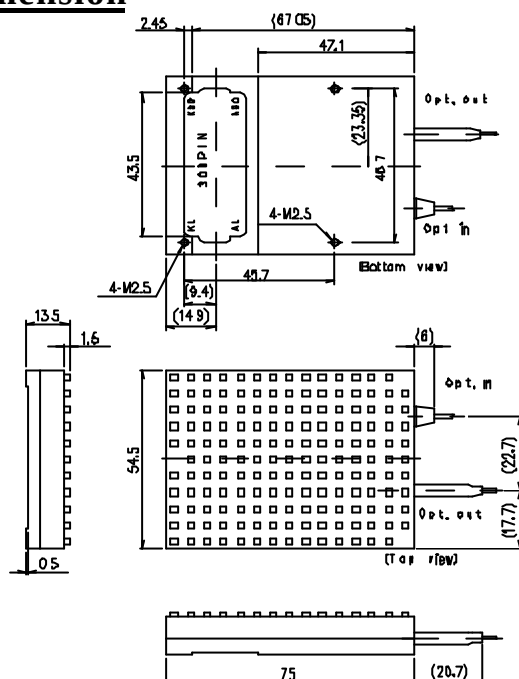
- 300-pin MSA-SFF compliant
- Designed for SONET / SDH / ATM Systems
- OC-192 SR-2 [25km], IR-2 [40km] compliant
- Cooled EML transmitter and pin-PD receiver
- 622.08-Mbps LVDS Input / Output interface
- Power Supply Voltage: +3.3V, +1.8V and -5.2V
- Low Power Consumption: 4.0W (Typ.)
- Operating Case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



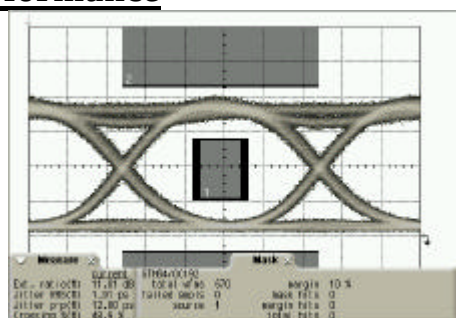
PERFORMANCE

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	Tc=25°C	4.0W typ.
	Tc=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	

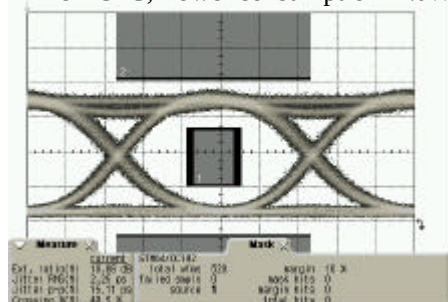
Dimension



Performance



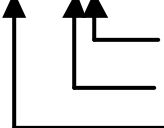
$T_c = 25^\circ\text{C}$, Power consumption = 4.0W



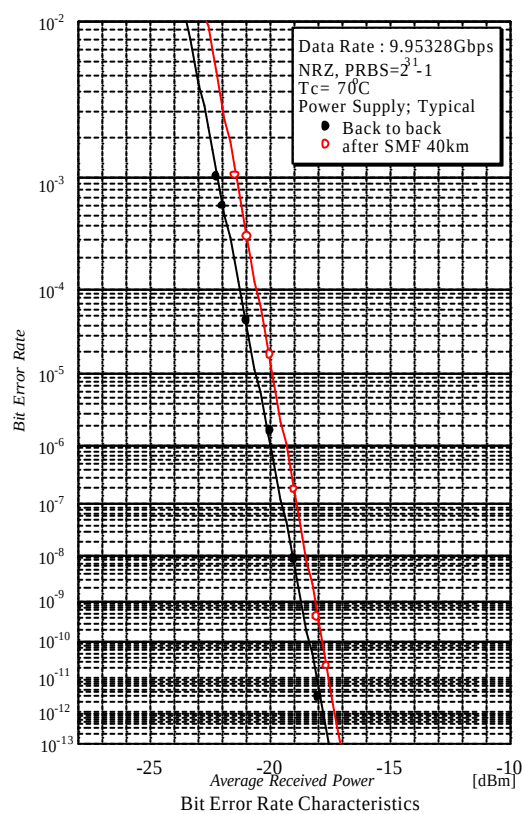
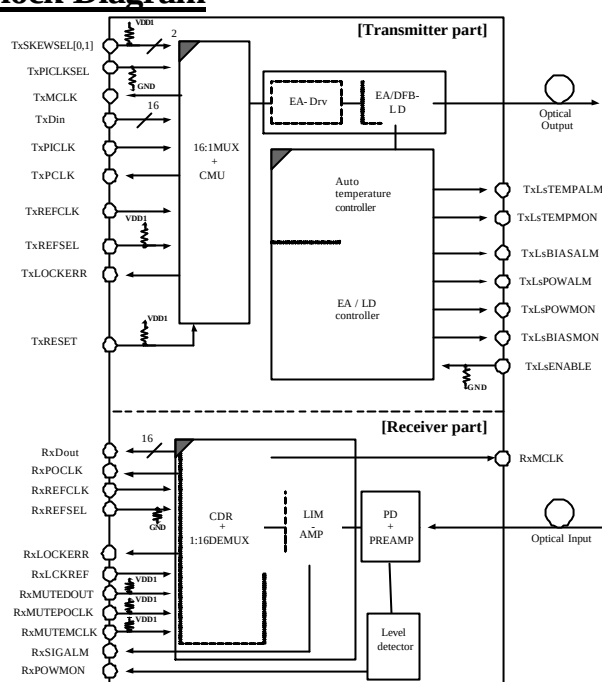
Tc=70 °C, Power consumption=6.0W

Output waveform (filtered)

Order form: OD-J866x-0xx1



Block Diagram



[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)

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