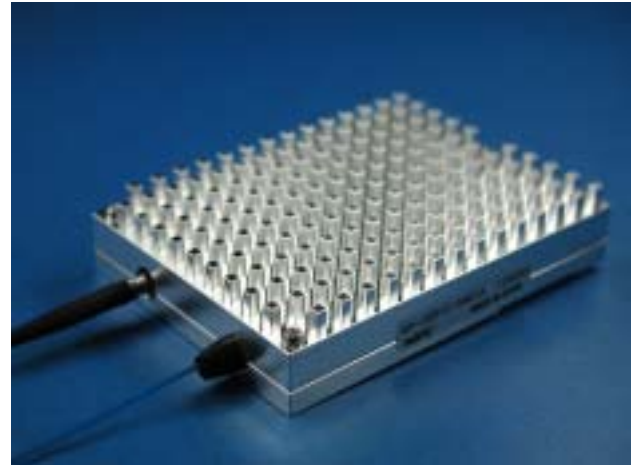


OD-J8615

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

FEATURES

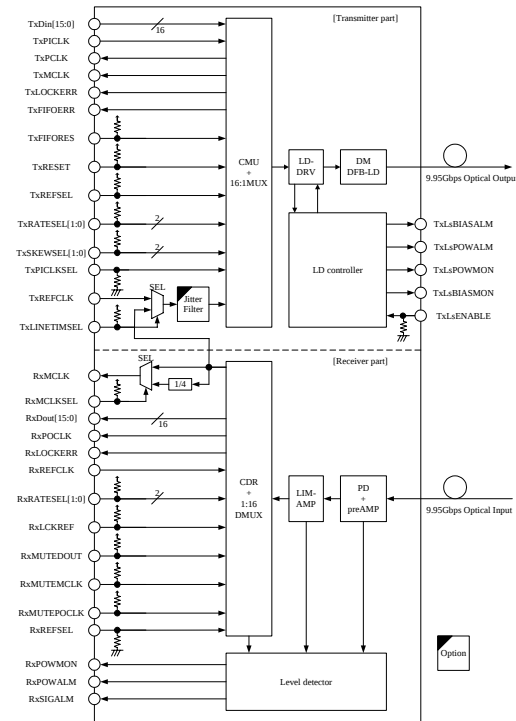
- 300-pin MSA(**Multi Source Agreement**) compliant.
- Designed for SONET / SDH / ATM Systems.
- OC-192 SR-1 [7km] compliant.
- Uncooled DFB transmitter and pin-PD receiver.
- 16:1-MUX / 1:16-DEMUX Integrated.
- 622.08-Mbps LVDS Input / Output interface.
- Compact Size : 75 x 55 x 16 (mm).
- Power Supply Voltage : +3.3V and –5.2V.
- Power Consumption : 5.4W (Typ.).
- Operating Case Temperature Range : -5 to 70°C.



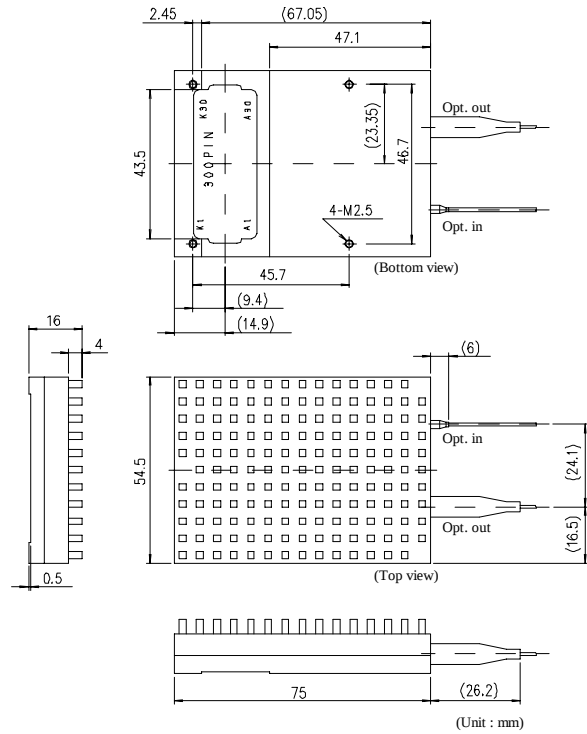
PERFORMANCE

Parameter	Performance
Transmission Data Rate	9.95328-Gbps
Pigtail Fiber	Pigtail Fiber : SMF, Pigtail Length : 1 m each Optical Connector : SC (Grp. 0A01)
Transmitter Output Optical Interface	Launched Power : –6 to –1 dBm Wavelength : 1290-1330 nm Extinction Ratio : 6.0 dB min.
Receiver Input Optical Interface	Minimum Sensitivity : –11 dBm max Overload : –1 dBm min. Optical Return Loss : –14 dB
Data I/O Signals	622.08-Mbps x 16-channels
Operating Case Temp.	-5 to 70 °C
Power Supply Voltage	+3.3V and –5.2V
Power Consumption	5.4W(typ.)
Dimension	75 x 55 x 16 (mm)
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 : Optical input power monitor

Block Diagram

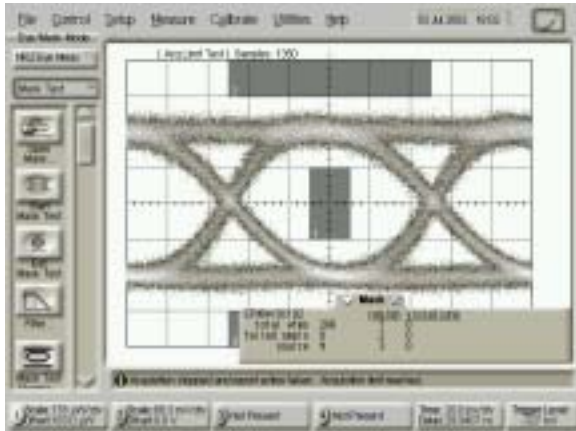


Dimension

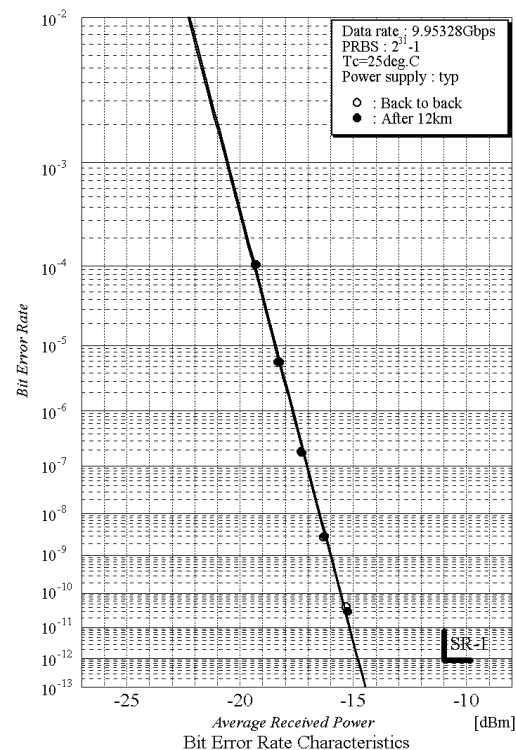


Performance

Output waveform(Tc=25deg.C , Filtered)



Sensitivity(SMF 12km transmission)



Order form

OD-J8615-0xy1

x : Connector type

A:SC,B:FC,C:MU,D:LC

y : Package type

0:16mm height with Heatsink

1:13.5mm height with Heatsink

2:12mm height without Heatsink

DATA SUBJECT TO CHANGE WITHOUT NOTICE

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