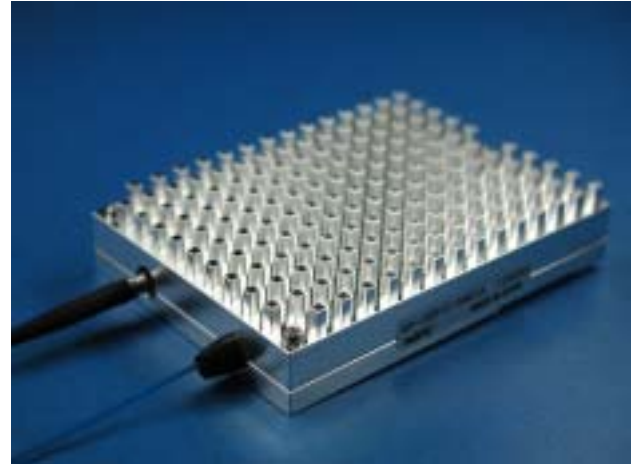


OD-J8616

Multi-bitrate (10-Gbps) Optical Transceiver with 16-channels MUX/DEMUX for SR-1

FEATURES

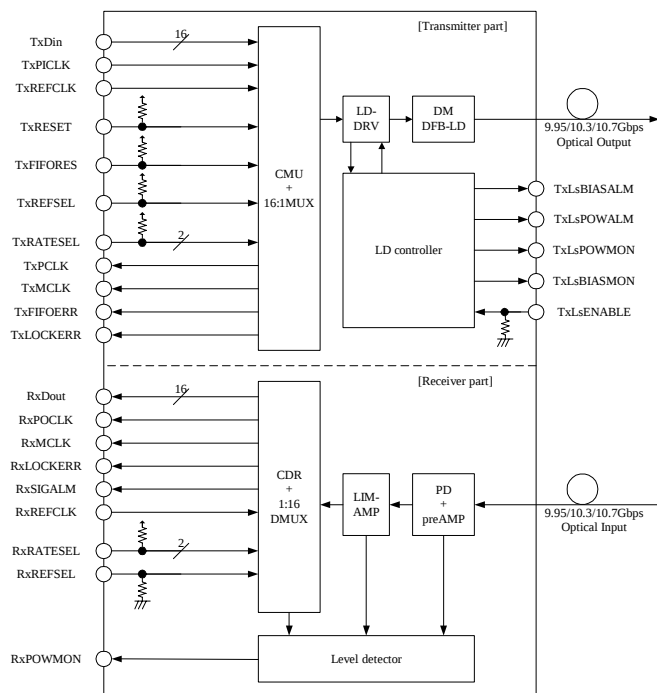
- 300-pin MSA(**Multi Source Agreement**) compliant.
- Designed for SONET/SDH/10GigE/OTN Systems.
- Multi-bitrate operation : 9.95G/10.3G/10.71G
- OC-192 SR-1 compliant.
- Uncooled DFB transmitter and pin-PD receiver.
- Compact Size : 75 x 55 x 16 (mm).
- Power Supply Voltage : +3.3V and –5.2V.
- Low Power Consumption : 5.4W (Typ.).
- Operating Case Temperature Range : -5 to 70°C.



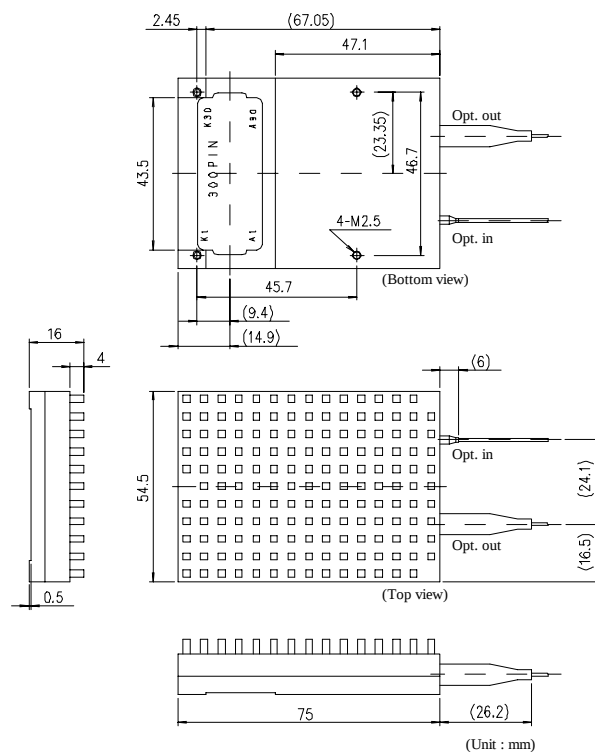
PERFORMANCE

Parameter	Performance
Transmission Data Rate	9.95Gbps/10.31Gbps/10.71Gbps selectable
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
Electrical Signal Interface	Data Interface: 6**.**-Mbps LVDS Clock Interface: 6**.**-MHz LVDS Reference Clock: 1**.**/6**.**-MHz LVPECL
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

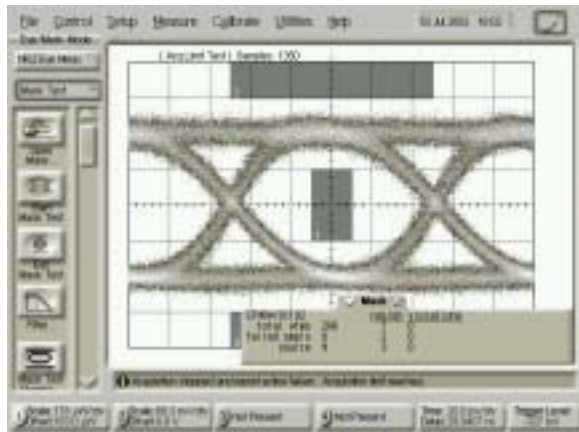


Dimension



Performance

Output waveform(Tc=25deg.C , Filtered)
9.95328Gbps



Order form

OD-J8616-0xy1

x : Connector type

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

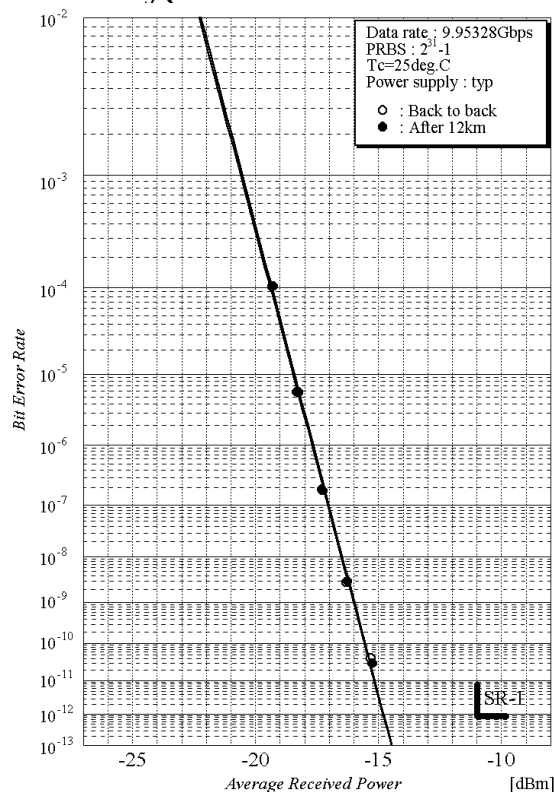
y : Pkg type

0:16mm height with Heatsink

1:13.5mm height with Heatsink

2:12mm height without Heatsink

Sensitivity(SMF 12km transmission)



Bit Error Rate Characteristics

DATA SUBJECT TO CHANGE WITHOUT NOTICE

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