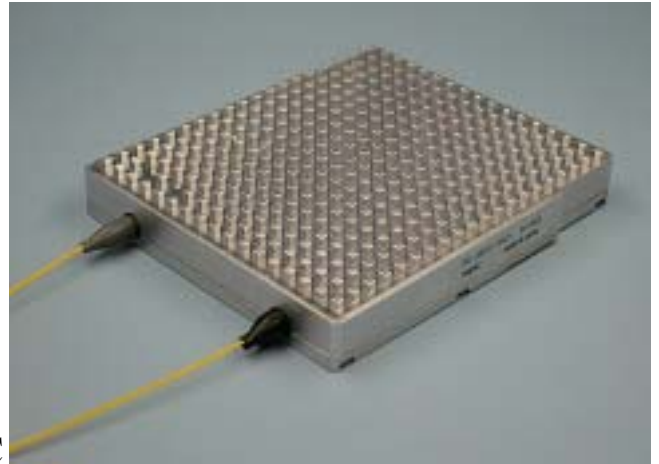


# OD-J8240/8241

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

### FEATURES

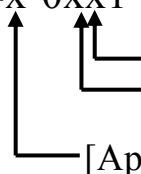
- 300-pin MSA (*Multi Source Agreement*) compliant
- Designed for SONET / SDH / ATM Systems
- OC-192 SR-2 [25km], IR-2 [40km] compliant
- Cooled EML transmitter and pin-PD receiver
- 16:1-MUX / 1:16-DEMUX Integrated
- 622.08-Mbps LVDS Input / Output interface
- Compact Size: 104 x 89 x 16 (mm)
- Power Supply Voltage: +3.3V and -5.2V
- Low Power Consumption: 6.0W (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	Launched Power: -5 to -1 dBm (J8240) -1 to +2 dBm (J8241)
	Wavelength: 1530 to 1565 nm
	Extinction Ratio: 8.2 dB min.
Receiver Input Optical Interface	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 and -5.2V
Power Consumption	Tc=25°C   6.0W typ.
	Tc=70°C   8.0W typ. (11.2W max.)
Dimension	104 x 89 x 13.5/16 (mm) <i>see order form</i>
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

**ORDER FORM:** OD-J824x-0xx1


  
 [Package height] 0:16mm, 1:13.5mm  
 [Connector] A: SC, B: FC, C: MU, D: LC  
 [Application] 0: SR-2 (25km), 1: IR-2 (40km)

