# 10Gbps BiDi SFP+ Transceiver
# CLSFPP10GBD3360D

## Product Features:

- Up to 10Gbps data links
- 60Km with 9/125μm SMF
- WDM TX1330nm/RX1270nm DFB/APD laser
- Simplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3.3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor (DDM)

## Functional Characteristics (Optical)

The following tables list the performance specifications for the various functional blocks of the integrated optical transceiver module.

**Table 1 – Transmitter Optical Specifications**

| Parameter | Symbol | Min. | Typical | Max. | Unit |
|---|---|---|---|---|---|
| Centre Wavelength | λc | 1320 | 1330 | 1340 | nm |
| Spectral Width (-20dB) | σ | | | 1 | nm |
| Average Output Power | Pout | 1 | | 5 | dBm |
| Extinction Ratio | ER | 3.5 | | | dB |
| Average Launch Power of Off Transmitter | Poff | | | -30 | dBm |

**Table 2 – Receiver Optical Specifications**

| Parameter | Symbol | Min. | Typical | Max. | Unit |
|---|---|---|---|---|---|
| Centre Wavelength | λc | 1260 | 1270 | 1280 | nm |
| Receiver Sensitivity | PIN | | | -20 | dBm |
| Receiver Overload | Pmax | -7 | | | dBm |
| LOS De-Assert | LOSD | | | -22 | dBm |
| LOS Assert | LOSA | -24 | | | dBm |
| LOS Hysteresis | | 0.5 | | 4.5 | dB |

## Ordering Information

**Table 3 - Ordering Information**

| Part No. | Data Rate | DDM | TX/RX | Fiber Type | Dist. | Temp. | Optical Interface |
|---|---|---|---|---|---|---|---|
| CLSFPP10GBD3360D | 10Gbps | yes | 1330nm/1270nm | SMF | 60km | 0~70°C | BiDi LC |

## CONTACT:

**Email:** sales@c-light.com https://www.c-light.com