# 2.5Gbps BiDi LC 120km SFP Transceiver CLSFP25BD1415120D-L CLSFP25BD1415120D-LI

## Product Features:

- Up to 2.5Gbps data links
- 120km with 9/125μm SMF *1
- 1490nm DFB /1550nm PIN laser *1
- Simplex LC Connector
- Hot-pluggable SFP footprint
- Single 3. 3V power supply
- Operating temperature: Refer to *1
- RoHS
- *1

## 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 | 1470 | 1490 | 1510 | nm |
| Spectral Width (RMS) | σ | | | 4 | nm |
| Average Output Power | Pout | -1 | | 5 | dBm |
| Extinction Ratio | ER | 8 | | | dB |
| Optical Rise/Fall Time | tr/tf | | | 2 | ns |

**Table 2 – Receiver Optical Specifications**

| Parameter | Symbol | Min. | Typical | Max. | Unit |
|---|---|---|---|---|---|
| Centre Wavelength | λc | 1540 | 1550 | 1560 | nm |
| Receiver Sensitivity | PIN | | | -27 | dBm |
| Receiver Overload | PMAX | 1 | | | dBm |
| LOS De-Assert | LOSD | | | -30 | dBm |
| LOS Assert | LOSA | -35 | | | 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 |
|---|---|---|---|---|---|---|---|
| CLSFP25BD1415120D-L | 2.5Gbps | yes | 1490nm/ 1550nm | SMF | 120km | 0~70℃ | BiDi LC |
| CLSFP25BD1415120D-LI | 2.5Gbps | yes | 1490nm/ 1550nm | SMF | 120km | -40~85℃ | BiDi LC |

## CONTACT:

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