# 4x32Gbps QSFP+ SR4 Transceiver
# CL128GQSFPSR4

## Product Features:

- 4 x 28Gbps electrical interface
- MTP/MPO optical connector
- QSFP28 FC 4X32G MSA compliant
- Four independent full-duplex channels
- OTU4 112Gbps aggregate bit rate, FC 4x32G
- Digital Diagnostic Monitoring
- Link length of 70m over OM3 Multi-mode Fiber or 100m over OM4 Multi-mode Fiber
- Single +3.3V power supply
- Operating case temperature from 0°C~70°C
- Low power consumption < 2.5W
- RoHS-6 compliant

## 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 | λt | 840 | 850 | 860 | nm |
| RMS Spectral Width | Λλt | - | - | 0.6 | nm |
| Average Optical Power, each Lane | Pavg | -8.4 | - | +2.4 | dBm |
| Optical Modulation Amplitude (OMA) | Poma | -6.4 | - | +3 | dBm |
| Extinction Ratio | ER | 2 | - | - | dB |
| Transmitter Eye Mask Definition | Complied with IEEE 802.3bm | | | | |
| Average Launch Power OFF Transmitter, each Lane | Poff | - | - | -30 | dBm |

**Table 2 – Receiver Optical Specifications**

| Parameter | Symbol | Min. | Typical | Max. | Unit |
|---|---|---|---|---|---|
| Centre Wavelength | Λr | 840 | 850 | 860 | nm |
| Average Power at Receiver Input, each Lane | - | -10.5 | - | 2.4 | dBm |
| Receiver Reflectance | - | - | - | -12 | dB |
| Overload | Psat | | | 2.4 | dBm |
| LOS Assert | LOSA | -30 | - | - | dBm |
| LOS De-Assert | LOSD | - | - | -10 | dBm |
| LOS Hysteresis | LOSH | 0.5 | - | 4 | dB |

## Ordering Information

**Table 3 - Ordering Information**

| Part Number | Product Description |
|---|---|
| CL128GQSFPSR4 | FC 4x32G, 4x28Gbps QSFP28 SR4, 100m, 0°C~+70°C |

## CONTACT:

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