DATA SHEET

# Transceivers
# **10G XFP SR**
# CXM-700A08

## Properties

- Multi-protocol support
- Data rate 9.95...11.3 Gbps
- Link budget at least 8 dB
- Wavelength 850nm
- LC/PC duplex connector
- Multimode fiber
- Temp. range 0 ... 70°C
- Link budget at least 8 dB



| General data | |
|---|---|
| Form factor | XFP |
| Product image | Actual product may differ from the images shown. Colours, design, and details can vary. |
| Protocol | 10G Ethernet LAN/WAN, 10G FC, STM-64, OTN-2 |
| Data rate standards | 10GBASE-SR/SW |
| Media type | Multimode |
| Connector | LC/PC duplex |
| Modulation Format | NRZ |
| Built-in FEC | No |
| CDR | Double |
| Operation temperature | 0 °C ... 70 °C |
| Supply voltage typical | 3.13 V ... 3.47 V |
| Supply Current | < 360 mA |
| Power consumption | 1.2 W |
| Digital Diagnostic Management (DDM) | Yes |
| Laser hazard level | 1 |

| Absolute Maximum Ratings | |
|---|---|
| Max. supply voltage range | -0.5 V ... 4 V |
| Max. Storage Temperature Range | -40 °C ... 85 °C |
| Max. relative humidity range | 5 % ... 85 % |

| Transmitter Specifications | |
|---|---|
| Laser Type | VCSEL |
| Operating Wavelength Range | 840 nm ... 860nm |
| Grid | None |
| Average launch power per lane | -6 dBm ... -1 dBm |
| Extinction Ratio | > 3 dB |
| Side Mode Suppression | > 30 dB |

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| **Transmitter Specifications** | |
|---|---|
| Supported Data rate | 9.95 Gbps ... 11.3 Gbps |

| **Receiver Specifications** | |
|---|---|
| Receiver Type | PIN |
| Operating Wavelength Range | 840 nm ... 860nm |
| Receiver Overload | > 0.5 dBm |
| Receiver Sensitivity | < -12 dBm |
| Bit Error Rate at Receiver | 1E-12 |
| Receiver LOS De-Assert | < -12 dBm |
| Receiver LOS Assert | > -30 dBm |
| Receiver LOS Hysteresis | > 0.5 dB |
| Supported Data rate | 9.95 Gbps ... 11.3 Gbps |

| **Ordering Information Table** | | |
|---|---|---|
| Order Code | Compatibility code explanation | Wavelength code explanation |
| CXM-700A08xxxx-85 | “xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type. | -85: 850nm |

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