DATA SHEET

# Transceivers
# **10G SFP+ ZR+**
# CSS-927A26

## Properties

- Multi-protocol support
- Data rate up to 11.3 Gbps
- Reach up to 100km
- Wavelength 1550nm
- LC/PC duplex connector
- Singlemode fiber
- Temp. range -40 ... 85°C
- Link budget at least 26 dB (w/o dispersion penalty)



| General data | |
|---|---|
| Form factor | SFP+ |
| Product image | Actual product may differ from the images shown. Colours, design, and details can vary. |
| Protocol | 1/10G Ethernet, 1/2/4/8/10G FC, STM-64/OC-48, CPRI Option 2...8, OBSAI |
| Data rate standards | 10GBASE-ZR/ZW |
| | CPRI Option 2 to 8 |
| Media type | Singlemode |
| Connector | LC/PC duplex |
| Modulation Format | NRZ |
| Built-in FEC | No |
| CDR | none |
| Operation temperature | -40 °C ... 85 °C |
| Supply voltage typical | 3.13 V ... 3.47 V |
| Supply Current | < 600 mA |
| Power consumption | 1.8 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 % ... 95 % |

| Transmitter Specifications | |
|---|---|
| Laser Type | EML |
| Operating Wavelength Range | 1530 nm ... 1565nm |
| Grid | None |
| Average launch power per lane | 1 dBm ... 6 dBm |

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| Transmitter Specifications | |
|---|---|
| Dispersion Penalty | < 3 dB |
| Dispersion range | -400 ps/nm ... 1800ps/nm |
| Extinction Ratio | > 8.2 dB |
| Side Mode Suppression | > 30 dB |
| Supported Data rate | 1.0625 Gbps ... 11.3 Gbps |

| Receiver Specifications | |
|---|---|
| Receiver Type | APD |
| Operating Wavelength Range | 1260 nm ... 1620nm |
| Receiver Overload | > -6 dBm |
| Receiver Sensitivity | < -25 dBm |
| Bit Error Rate at Receiver | 1E-12 |
| Receiver LOS De-Assert | < -27 dBm |
| Receiver LOS Assert | > -38 dBm |
| Supported Data rate | 1.0625 Gbps ... 11.3 Gbps |
| Maximum Receiver Power (Damage Threshold) | > -6 dBm |

| Ordering Information Table | | |
|---|---|---|
| Order Code | Compatibility code explanation | Wavelength code explanation |
| CSS-927A26xxxx-15 | “xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type. | -15: 1550nm |

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