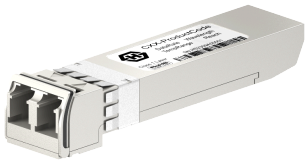
DATA SHEET

Transceivers
25G SFP28 SR
CSM-400A07

Properties

- Multi-protocol support
- Data rate 24.33...25.78 Gbps
- Reach up to 100m
- Wavelength 850nm
- LC/PC duplex connector
- Multimode fiber
- Temp. range 0 ... 70°C
- Link budget at least 5 dB



General data	
Form factor	SFP28
Product image	Actual product may differ from the images shown. Colours, design, and details can vary.
Protocol	25G Ethernet, eCPRI, CPRI 10
Data rate standards	25GBASE-SR
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	3.135 V ... 3.465 V
Supply Current	< 300 mA
Power consumption	< 1 W
Digital Diagnostic Management (DDM)	Yes
Laser hazard level	1

Absolute Maximum Ratings	
Max. supply voltage range	-0.5 V ... 3.6 V
Max. Storage Temperature Range	-40 °C ... 85 °C
Max. relative humidity range	5 % ... 95 %

Transmitter Specifications	
Laser Type	VCSEL
Operating Wavelength Range	840 nm ... 860nm
Grid	None
Average launch power per lane	-5 dBm ... 2.4 dBm
Extinction Ratio	> 3 dB
Side Mode Suppression	> 30 dB

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Transmitter Specifications	
Supported Data rate	24.33 Gbps ... 25.78 Gbps

Receiver Specifications	
Operating Wavelength Range	840 nm ... 860nm
Receiver Overload	> 2.4 dBm
Receiver Sensitivity	< -10.3 dBm
Bit Error Rate at Receiver	5E-5
Optical Rx LOS hysteresis	0.5 dB
Maximum Optical Input Power per Lane (Overload)	3.4 dBm
Receiver LOS De-Assert	< -11 dBm
Receiver LOS Assert	> -30 dBm
Receiver LOS Hysteresis	> 0.5 dB
Supported Data rate	24.33 Gbps ... 25.78 Gbps

Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CSM-400A07xxxx-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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