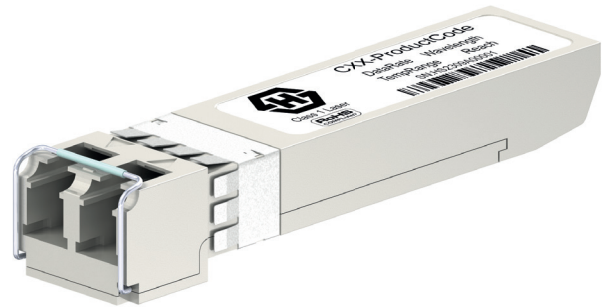


SFP28 25G LR TRANSCEIVER CSS-420A06 DUPLEX TRANSCEIVER

PRODUCT OVERVIEW

Properties

- Multi-protocol Support
- Data Rate 24.33 ... 25.78 Gbps
- Reach up to 2km
- Wavelength 1310nm
- LC/PC Duplex Adapter
- Singlemode Fibre
- Temperature Range 0 ... 70°C
- Link Budget at Least 6 dB



General Data

Form Factor	SFP28
Data Rate Standards	25G eCPRI CPRI Option 10
Protocol	25G Ethernet, eCPRI, CPRI 10
Media Type	SMF28
Supply Current	< 300 mA
Adapter	LC/PC Duplex
CDR	Double
Operation Temperature	-5 °C ... 70°C
Supply Voltage Typical	3.13 V ... 3.47 V
Power Consumption	< 1.2 W
Digital Diagnostic Management (DDM)	Built-in
Laser Hazard Level	1

Absolute Maximum Ratings

Maximum Supply Voltage Range	-0.3 V ... 4 V
Maximum Storage Temperature Range	-40°C ... 85°C
Max. Relative Humidity Range	5 % ... 95 %



Transmitter Specifications	
Laser Type	Uncooled DFB
Operating Wavelength Range	1260 nm ... 1355nm
Grid	None
Average Launch Power Per Lane	-5 dBm ... 2 dBm
Side Mode Suppression	> 30 dB
Supported Data rate	24.33 GB/s ... 25.78 GB/s

Receiver Specifications	
Receiver Type	PIN
Operating Wavelength Range	1260 nm ... 1620nm
Receiver Overload	> 2 dBm
Receiver Sensitivity	< -10.6 dBm
Maximum Optical Input Power per Lane	3 dBm
LOS De-Assert	< -13 dBm
Receiver LOS Assert	> -30 dBm
Receiver LOS Hysteresis	> 0.5
Supported Data Rate	24.33 GB/s ... 25.78 GB/s

Ordering Information		
Part Code	Compatibility Code Explanation	Wavelength Code Explanation
CSS-420A06xxxx-13	"xxxx" is an alphanumeric string, describing the compatibility. "0000" means no special coding to ensure compatibility with a special switch type.	-13: 1310nm