

QSFP28 100G/OTU4 DUAL RATE SR4 100m CLOTU4QSFP4SR4

Product Features:

- 4 channels full-duplex transceiver module
- Supports 103.1Gb/s and OTU4 112Gb/s aggregate rate
- Maximum link length of 100m on OM3 Multimode Fiber (MMF) and 150m on OM4 MMF
- 850nm VCSEL array laser and receiver
- MPO Connector
- Built-in digital diagnostic functions
- Hot-pluggable QSFP+ form factor
- Single 3.3V power supply
- Operating temperature: 0°C to 75°C
- RoHS 6 compliant (lead free)
- Digital Diagnostic Monitor (DDM)
- Power Consumption < 1.5W



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	Notes
Signaling Speed per Chanel		27.9525±20 ppm			Gb/s	
Center Wavelength Lane 0	λ_0	840	850	860	nm	
Total Launch Power, 100GE	Pout	-3	-	10	dBm	
Average Launch Power per Lane,	PTX_LANE	-9	-	2.4	dBm	
OMA per Lane, 100GE	OMA	-7.1	-	3	dBm	
Encircled Flux	FLX	>86% at 19um <30% at 4.5um				
Extinction Ratio, 100GE	ER	3			dB	
Transmitter and Dispersion Eye Closure	TDEC	-	-	5	dB	
Optical Return Loss Tolerance Suppression Ratio	ORLT	-	-	12	dB	

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit	Notes
Signaling Speed per Lane		27.9525 ± 20 ppm	Gb/s		nm	
Lane center wavelengths (range)	λ_0	840	850	860	nm	
Average Receive Power per Lane	RXPx	-10.9		2.4	dBm	
Receiver Sensitivity (OMA) per Lane	Rxsens			-10.9	dBm	
Damaged Threshold	PDam	3.4			dBm	



Stressed Receiver Sensitivity (OMA) per Lane	SRS			-4.7	dBm	
Reflectance	Ref			-12	dB	

Ordering Information

Table 3 - Ordering Information

Part No.	Product Description
CLOTU4QSFPSR4	100Gbps/OTU4 Dual Rate QSFP28, 850nm, 100m, 0°C~+75°C

CONTACT:

Email: sales@c-light.com <https://www.c-light.com>