

200G QSFP-DD SR8 850nm,100m

CL200GQDDSR8

Product Features:

- Hot-pluggable QSFP-DD form factor
- Maximum link length of 100m on OM4 fiber with FEC
- +3.3V single power supply
- Power dissipation < 7W
- Operating case temp Commercial: 0°C to +70 °C
- MPO-16 APC connector
- RoHS compliant

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	Unit	Min.	Typical	Max.	Notes
Signaling Speed per Lane		Gb/s	25.78125 ± 100 ppm			
Center wavelength		nm	NRZ			
RMS Spectral Width	SW	nm	840	850	860	
Average Launch Power per Lane	TXPx	dBm	-	-	0.6	
Transmit OMA per Lane	TxOMA	dBm	-8.4		2.4	
Launch Power [OMA] minus TDEC per Lane	P-TDEC	dBm	-6.4		3	
TDEC per Lane	TDEC	dBm	-7.3			
Optical Extinction Ratio	ER	dB			4.3	
Optical Return Loss Tolerance	ORL	dB	2			
Encircled Flux	FLX				12	
Average Launch Power of OFF Transmitter, per Lane		dBm			-30	
Transmitter Eye mask definition {X1, X2, X3, Y1, Y2, Y3}				>86% at 19 um <30% at 4.5 um		1

Note 1: SSPRQ@26.5625Gbd PAM4

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Unit	Min.	Typical	Max.	Notes
Signaling Speed per Lane		GBd	25.78125 ± 100ppm			
Center wavelength		nm	840		860	
Damage Threshold	DT	dBm	3.4			



Telecom



FTTx



DWDM



Data Center

Average Receive Power per Lane	RXPx	dBm	-10.3		2.4	2
Receive Power (OMA) per Lane	RxOMA	dBm			3	
Receiver Reflectance	Rfl	dB			-12	
LOS De-Assert	LOSD	dBm			-13	
LOS Assert	LOSA	dBm	-30			
LOS Hysteresis		dB	0.5	2		

Note 1: Average receive power, (min) is informative and not the principal indicator of signal strength

Ordering Information

Table 3 - Ordering Information

Part No.	Bit Rate	Laser	Distance	Fiber Type	DDMI	Connector	Temp
CL200GQDDSR8	206.25Gbps	850nm	100m	MMF	YES	MPO 1x16 APC	0°C~+70°C

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