

# PRE-O800-IB-2DR4

OSFP800, 2x400G-DR4, 1310nm, 800GE/InfiniBand,  
500m, SMF/Dual MPO12-APC, C-Temp



## Product Features:

- VCSEL Transmitters
- PIN Receivers
- Up to 500m on Single Mode Fiber
- Dual MPO-12/APC Optical Connector
- < 14W Power Consumption
- Commercial Temperature Rated
- Digital Diagnostic Monitoring (DDM)



## Product Applications:

- 1x800G Ethernet
- 2x400G Ethernet/InfiniBand
- 4x200G Ethernet/InfiniBand
- 8x100G Ethernet

## Standards:

- OSFP MSA
- CMIS
- IEEE 802.3ck and 802.3bs
- ROHS
- Class 1 Laser

## General Specifications:

Parameter	Min	Typical	Max	Unit	Note
Operating Temperature	0	-	70	°C	
Operating Humidity	5	-	85	%	
Power Consumption	-	-	14	W	
Power Supply Voltage	3.135	3.3	3.465	V	
Transmission Distance	-	-	500	m	
Data Rate (Total)	-	850	-	Gbps	1
Signaling Rate per Lane	-	53.125	-	GBd	2

Notes:

1 - Total aggregate bit rate

2 - Per lane electrical signalling rate with PAM4 modulation

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## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Wavelength	1304.5	1311	1317.5	nm
Average Launch Power, per lane	-2.9	-	4	dBm
Transmitter OFF Output Power, per lane	-	-	-15	dBm
Transmitter and Dispersion Eye Closure for PAM4, per lane	-	-	3.4	dBm
Extinction Ratio	3.5	-	-	dB

## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Wavelength	1304.5	1311	1317.5	nm
Damage Threshold, per lane	5	-	-	dBm
Average Receive Power, per lane	-5.9	-	4	dBm
Stressed Receiver Sensitivity, per lane	-	-	-1.9	dBm
Receiver Reflectance	-	-	-26	dB

## Product Ordering Information

Part Number	Description
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