

# PRE-OR400-4-IB-VR4

OSFP-RHS, VR4, 850nm, 400GE/InfiniBand, 50m, MMF, MPO12, C-Temp



## Product Features:

- OSFP
- Up to 50m on Multi Mode Fiber
- Class 1 Laser
- VCSEL Transmitter
- PIN Receiver
- MPO-12/APC Optical Connector
- Commercial operating temperature of 0°C-70°C
- Digital Diagnostic Monitoring
- Power consumption <8W

## Product Applications:

- Data Center Applications
- 400G InfiniBand/Ethernet

## Standards:

- CMIS
- OSFP MSA
- IEEE 802.3db & 802.3ck
- RoHS

## General Specifications:

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	15	-	70	°C
Power Consumption	-	-	8	W
Power Supply Current	-	-	2552	mA
Power Supply Voltage	3.135	3.3	3.465	V
Storage Humidity	5	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	50	m
Data Rate, each lane	-	53.125	-	GBd

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## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Data Rate per channel (PAM4)	-	53.125	-	GBd
Transmitter Wavelength	842	850	868	nm
Spectral Width	-	-	0.65	nm
Average Launch Power, each lane <sup>1</sup>	-4.6	-	4	dBm
Optical Modulation Amplitude (OMA), per lane for max (TECQ, TDECQ) ≤ 1.8dB for max 1.8 < max(TECQ, TDECQ) ≤ 4.4dB	-2.6 -4.4+MAX(TECQ,TDECQ)	-	3.5	dBm
Transmitter and Dispersion Eye Closure for PAM4 (TDECQ), each lane	-	-	4.4	dB
Average Launch Power of OFF Transmitter, each lane	-	-	-30	dBm
Extinction Ratio	2.5	-	-	dB

Note 1: Average launch power, each lane (min) is informative and not the principal indicator of signal strength.

## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Data Rate per channel (PAM4)	-	53.125	-	GBd
Receiver Wavelength	842	850	868	nm
Average receiver power, each lane	-6.3	-	4	dBm
Receiver Sensitivity (OMA <sub>outer</sub> ) for max (TECQ) ≤ 1.8dB for max 1.8 < TECQ ≤ 4.4dB	-	-	-4.6 -6.4+TECQ	dBm
Receiver Reflectance	-	-	-15	dB

## Product Ordering Information

Part Number	Description
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