

PRE-OF800-IB-2VR4

OSFP800 Finned-Top, 2x400G-VR4, 850nm,
800GE/InfiniBand, 50m, MMF/Dual MPO12-APC, C-Temp



Product Features:

- OSFP Type 2 Form Factor
- Up to 50m on Multi Mode Fiber
- Class 1 Laser
- VCSEL Transmitter
- PIN Receiver
- Dual MPO-12/APC Optical Connector
- Commercial operating temperature of: 0°C~70°C
- Digital Diagnostic Monitoring



Product Applications:

- Data Center Applications
- 1x800G Ethernet
- 2x400G Ethernet or InfiniBand
- 4x200G Ethernet or InfiniBand
- 8x100G Ethernet

Standards:

- ROHS
- CMIS
- OSFP MSA
- IEEE 802.3 and 802.3ck

General Specifications:

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	0.0	-	70.0	°C
Power Consumption	-	-	16	W
Power Supply Current	-	-	5104	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	-	Gbps

PRE-OC800-IB-2VR4

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Transmitter Wavelength	842	850	868	nm
Average Launch Power, each lane ¹	-4.6	-	4.0	dBm
Optical Modulation Amplitude (OMA), per lane	-2.6	-	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, each lane	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
Receiver Wavelength	842	850	868	nm
Average receiver power, each lane	-6.4	-	4	dBm
Receiver power, each lane (OMA)	-	-	3.5	dBm
Receiver Sensitivity (OMOuter), each lane	-	-	-4.6	dBm
Stressed receiver sensitivity (OMOuter), each lane (max)	-	-	-1.8	dBm

Product Ordering Information

Part Number	Description
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