

PRE-OF800-IB-2DR4

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



Product Features:

- OSFP
- Up to 500m on Single Mode Fiber
- Class 1 Laser
- EML Transmitter
- PIN Receiver
- Dual MPO-12/APC Optical Connector
- Operating case temperature: 0°C~70°C
- Digital Diagnostic Monitoring



Product Applications:

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

Standards:

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

General Specifications:

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	0	-	70	°C
Power Consumption	-	-	14	W
Power Supply Current	-	-	4466	mA
Power Supply Voltage	3.135	3.3	3.465	V
Storage Humidity	5	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance		-	500	m
Data Rate, each lane	-	53.125	-	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Transmitter Wavelength	1304.5	1311	1317.5	nm
Average Launch Power, each lane ¹	-2.9	-	4.0	dBm
Optical Modulation Amplitude (OMA), per lane	-0.8	-	4.2	dBm
Transmitter and Dispersion Eye Closure for PAM4 (TDECQ), each lane	-	-	3.4	dB
Average Launch Power of OFF Transmitter, each lane	-	-	-15.0	dBm
Side Mode Suppression Ratio	30.0	-	-	dB
Extinction Ratio	3.5	-	-	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	1304.5	1311	1317.5	nm
Average receiver power, each lane	-5.9	-	4	dBm
Receiver power, each lane (OMA)	-	-	4.2	dBm
Receiver Sensitivity (OMA _{outer}), each lane	-	-	max(-3.9, SECQ-5.3)	dBm
Stressed receiver sensitivity (OMA _{outer}), each lane (max)	-	-	-1.9	dBm

Note 1: Receiver sensitivity (OMA_{outer}), each lane (max) is informative and is defined for a transmitter with SECQ of 0.9 dB.

Product Ordering Information

Part Number	Description
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