

PRE-QSFP28DD-2LR4

QSFP-DD, 2xLR4, LWDM, 2x100G, 10km, SMF/DualCS



Product Features:

- LWDM Wavelengths
- PIN Receiver
- SMF Transmission Medium
- CS Connector
- Digital Diagnostic Monitoring
- C-Temp Rated
- 200Gbps Aggregate Data Rate
- <9.5W Power Consumption



Product Applications:

- Data Center
- 2x100GBASE-LR4 Ethernet

Standards:

- QSFP-DD MSA compliant
- RoHS
- Class 1 Laser

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	0	-	70	°C
Power Consumption	-	-	9.5	W
Power Supply Voltage	3.14	3.3	3.46	V
Operating Humidity	0	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	10	km
Data Rate (Total)	-	-	206.24	Gbps
Data Rate per Lane	-	25.78	-	Gbps

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Transmitter Characteristics

Parameter	Min	Typical	Max	Unit
Wavelength 1	1294.53	-	1296.59	nm
Wavelength 2	1299.02	-	1301.09	nm
Wavelength 3	1303.54	-	1305.63	nm
Wavelength 4	1308.09	-	1310.19	nm
Total Transmit Power (Avg)	-	-	11.5	dBm
Transmit Power per Lane (Avg)	-4.3	-	4.5	dBm
Optical Modulation Amplitude (OMA), per Lane	-1.3	-	4.5	dBm
Extinction Ratio	4.0	-	-	dB
Transmit Reflectance	-	-	-12	dBm
Side Mode Suppression Ratio	30	-	-	dB
Transmitter & Dispersion Penalty, per Lane	-	-	2.2	dB
Relative Intensity Noise (OMA)	-	-	-130	dB/Hz
Optical Return Loss Tolerance	-	-	20	dB
Transmitter OFF Output Power per Lane	-	-	-30	dBm

Receiver Characteristics

Parameter	Min	Typical	Max	Unit
Receiver Sensitivity (OMA), per Lane	-	-	-8.6	dBm
Receiver Stressed Sensitivity (OMA)	-	-	-6.8	dBm
Receive Power (OMA) per Lane	-	-	4.5	dBm
Receive Power (Avg) per Lane	-10.6	-	4.5	dB
Receive Reflectance	-	-	-26	dB
LOS Assert	-25.6	-	-	dBm
LOS Deassert	-	-	-11.6	dBm
LOS Hysteresis	0.5	-	-	dBm

Product Ordering Information

Part Number	Description
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