

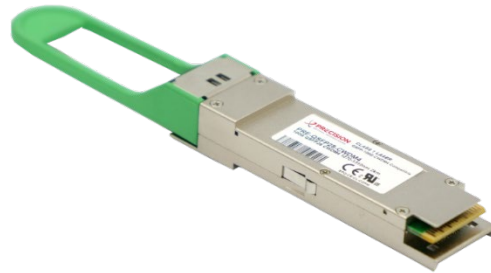
PRE-QSFP28-CWDM4

QSFP28, CWDM4, 100G, 2km, SMF/LC



Product Features:

- DML Transmitters
- PIN Receivers
- CWDM Wavelengths
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostic Monitoring (DDM)
- C-Temp Rated
- 100Gbps Maximum Data Rate
- <3.5W Power Consumption



Product Applications:

- 100GBASE Ethernet
- Data Center Networks
- Enterprise Networks

Standards:

- SFF-8636
- CWDM4 MSA
- RoHS

General Specifications:

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Power Consumption	-	-	3.5	W
Power Supply Current	-	1155	1400	mA
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	2	km
Data Rate (Total)	-	103.125	-	Gbps
Data Rate (Per Lane)	-	25.78125	-	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typ	Max	Unit
Center Wavelength 1	1264.5	1271	1277.5	nm
Center Wavelength 2	1284.5	1291	1297.5	nm
Center Wavelength 3	1304.5	1311	1317.5	nm
Center Wavelength 4	1324.5	1331	1337.5	nm
Transmit Power per lane	-6.5	-	2.5	dBm
Side Mode Suppression Ratio	30	-	-	dB
Transmit Power per lane (OMA)	-4	-	2.5	dBm
Tx and Dispersion Penalty per lane	-	-	3	dB
Extinction Ratio	3.5	-	-	dB
Transmitter OFF Output Power per lane	-	-	-30	dBm

Optical Characteristics: Receiver

Parameter	Min	Typ	Max	Unit
Receiver Wavelength 1	1264.5	1271	1277.5	nm
Receiver Wavelength 2	1284.5	1291	1297.5	nm
Receiver Wavelength 3	1304.5	1311	1317.5	nm
Receiver Wavelength 4	1324.5	1331	1337.5	nm
Damage Threshold per lane	3.5	-	-	dBm
Receiver Power per lane (Avg)	-11.5	-	2.5	dBm
Receiver Sensitivity per lane (OMA)	-	-	-10	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-12	dBm
LOS Hysteresis	0.5	-	5	dB

Product Ordering Information

Part Number	Description
PRE-QSFP28-CWDM4	QSFP28, CWDM4, 100G, 2km, SMF/LC, C-Temp, DDM