

PRE-QSFP28-CWDM4

QSFP28, CWDM4, SMF, 2km, 100Gbps



Product Features:

- DML Transmitters
- PIN Receivers
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
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Product Applications:

- 100G Ethernet

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T_{op}	0	-	70	°C
Power Consumption	P_w	-	-	3.5	W
Power Supply Current	I_{cc}	-	1155	1400	mA
Power Supply Voltage	V_{cc}	3.14	3.3	3.46	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance	TD	-	-	2	km
Data Rate (Total)	DR_T	-	103.125	-	Gbps
Data Rate (Per Lane)	DR_{lane}	-	25.78125	-	GBd

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Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength 1	λ_1	1264.5	1271	1277.5	nm
Center Wavelength 2	λ_2	1284.5	1291	1297.5	nm
Center Wavelength 3	λ_3	1304.5	1311	1317.5	nm
Center Wavelength 4	λ_4	1324.5	1331	1337.5	nm
Transmit Power per lane	P _{OUT}	-6.5	-	2.5	dBm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Optical Modulation Amplitude per lane	OMA	-4	-	2.5	dBm
Dispersion Penalty per lane	DP	-	-	3	dB
Extinction Ratio	ER	3.5	-	-	dB
Transmitter OFF Output Power per lane	P _{OFF}	-	-	-30	dBm

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength 1	λ_1	1264.5	1271	1277.5	nm
Receiver Wavelength 2	λ_2	1284.5	1291	1297.5	nm
Receiver Wavelength 3	λ_3	1304.5	1311	1317.5	nm
Receiver Wavelength 4	λ_4	1324.5	1331	1337.5	nm
Damage Threshold per lane	P _D	3.5			dBm
Receiver Sensitivity per lane	R	-	-	-10	dBm
LOS Assert	LOS _A	-30	-	-	dBm
LOS De-Assert	LOS _D	-	-	-15	dBm
LOS Hysteresis	LOS _H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-QSFP28-CWDM4	QSFP28, CWDM4, SMF, 2km, 100Gbps, C-Temp