

PRE-XFP-Cxx-80(I)

XFP, CWDM, 1470 – 1610nm, 10G, 80km, SMF/LC



Product Features:

- EML Transmitter
- APD Receiver
- 20nm ITU CWDM Grid
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 11.3Gbps Maximum Data Rate
- <3.5W Power Consumption



Product Applications:

- 10GBASE-ZR/ZX Ethernet
- CPRI
- Fibre Channel

Standards:

- XFP MSA Compliant
- IEEE Std 802.3ae
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption	-	-	3	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80 ¹	km
Data Rate (Total)	9.95	-	11.3	Gbps

Note 1: Link budget is indicative of 80km fiber reach. Actual distance varies by wavelength and fiber type, 80km may be unattainable in the 1570nm to 1610nm range.

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	$\lambda_c - 6.5$	-	$\lambda_c + 6.5$	nm
Transmit Power	0	-	5	dBm
Side Mode Suppression Ratio	30	-	-	dB
Dispersion Penalty	-	-	3	dB
Extinction Ratio	9	-	-	dB
Transmitter OFF Output Power	-	-	-30	dBm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1610	nm
Input Saturation Power	-6	-	-	dBm
Receiver Sensitivity	-	-	-24	dBm
LOS Assert	-37	-	-	dBm
LOS De-Assert	-	-	-27	dBm
LOS Hysteresis	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-XFP-Cxx-80	XFP, CWDM, 1470-1610nm, 10G, 80km, SMF/LC, C-Temp
PRE-XFP-Cxx-80I	XFP, CWDM, 1470-1610nm, 10G, 80km, SMF/LC, I-Temp

Note: "xx" = CWDM Channel 47 – 61