

# PRE-XFP-Dxx-80(I)

XFP, ZR, DWDM, 100GHz, ITU 17-61, 10G, 80km, SMF/LC



## Product Features:

- APD Receiver
- ITU Channels 17-61 Available
- SMF Transmission Medium
- 100GHz DWDM Grid
- 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/ZW Ethernet
- SONET SDH
- OTN Transport

## Standards:

- XFP MSA Compliant
- IEEE 802.3ae
- RoHS

## General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (C-Temp)	0	-	70	°C
Case Operating Temperature (I-Temp)	-40	-	85	°C
Power Consumption	-	-	3.5	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80	km
Data Rate (Total)	9.95	-	11.3	Gbps

## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	$\Lambda_c - 0.1$	-	$\Lambda_c + 0.1$	nm
Center Wavelength Spacing	-	100	-	GHz
Transmit Power	0	-	5	dBm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	8.2	-	-	dB
Transmitter and Dispersion Penalty	-	-	3.5	dB
Transmitter OFF Output Power	-	-	-30	dBm

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## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1260	-	1600	nm
Receiver Sensitivity	-	-	-24	dBm
Input Saturation Power	-6	-	-	dBm
Receiver Reflectance	-	-	-27	dBm
LOS Assert	-37	-	-	dBm
LOS De-Assert	-	-	-27	dBm
LOS Hysteresis	0.5	-	-	dB

## Product Ordering Information

Part Number	Description
PRE-XFP-Dxx-80	XFP, ZR, DWDM, 100GHz, ITU 17-61, 10G, 80km, SMF/LC, C-Temp
PRE-XFP-Dxx-80I	XFP, ZR, DWDM, 100GHz, ITU 17-61, 10G, 80km, SMF/LC, I-Temp

Note: "xx" = DWDM channel 17 – 61