

# PRE-SFP-Cxx-OC48-80

SFP, CWDM, 1470 – 1610nm, 2.5G, 80km, SMF/LC



## Product Features:

- DFB Transmitter
- APD Receiver
- 8 CWDM Channels Available
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp Rated
- 2.5Gbps Maximum Data Rate
- <1W Power Consumption



## Product Applications:

- 1000BASE-ZX Ethernet
- SONET OC-48 LR-2
- SDH STM L-16.2

## Standards:

- SFF-8074i
- RoHS

## General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	0	-	70	°C
Power Supply Current	-	-	250	mA
Power Supply Voltage	3.13	3.3	3.47	V
Operating Humidity	0	-	85	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80	km
Data Rate (Total)	-	2.448	-	Gbps

## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	$\lambda_c - 6.5$	-	$\lambda_c + 6.5$	nm
Transmit Power	-2	-	3	dBm
Spectral Width (RMS)	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	8.2	-	-	dB

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## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1600	nm
Receiver Overload	-8	-	-	dBm
Receiver Sensitivity (at 2.488Gb/s)	-	-	-28	dBm
LOS Assert	-45	-	-	dBm
LOS De-Assert	-	-	-29	dBm
LOS Hysteresis	0.5	-	5	dB

## Product Ordering Information

Part Number	Description
PRE-SFP-Cxx-OC48-80	SFP, CWDM, 1470 – 1610nm, 2.5G, 80km, SMF/LC, C-Temp, DDM

Note: "xx" = CWDM channel 47 – 61