PRE-SFP-Dxx-OC48-80(I)

SFP, DWDM 100GHz, 1528.77nm – 1563.86nm, 2.5G, 80km, SMF/LC

Product Features:

- DFB Transmitter
- APD Receiver
- 100GHz DWDM Grid
- ITU 17-61 Channels Available
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 2.7Gbps Maximum Data Rate

Product Applications:

- SONET/SDH
- 1Gbps Ethernet
- Fiber Channel
- CPRI

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption (Commercial)	-	-	1.5	W
Power Consumption (Industrial)	-	-	1.8	W
Power Supply Current	-	-	540	mA
Power Supply Voltage	3.13	3.3	3.47	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	80	km
Data Rate (Total)	-	2.5	2.7	Gbps

PRE-SFP-Cxx-80(I)

SFP, DWDM 100Ghz, 1528.77nm – 1563.86nm, 2.5G, 80km, SMF/LC

Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength (EOL)	X-0.1	X	X+0.1	nm
Transmit Power	0	-	4	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	8.2	-	-	dB

X= specified ITU center wavelength

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1525	-	1565	nm
Input Saturation Power	-6	-	-	dBm
Receiver Sensitivity (2.5G)	-	-	-26	dBm
LOS Assert	-40	-	-	dBm
LOS De-Assert	-	-	-29	dBm
LOS Hysteresis	0.5	-	5	dB

Product Ordering Information

Part Number	Description
PRE-SFP-Dxx-80	SFP, DWDM 100GHz, 1528.77nm – 1563.86nm, 2.5G, 80km, SMF/LC, C-Temp
PRE-SFP-Dxx-80I	SFP, DWDM 100GHz, 1528.77nm – 1563.86nm, 2.5G, 80km, SMF/LC, I-Temp

Note: “xx” = ITU channel 17 – 61