

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 | - | - | 3.0 | dB |
| Transmitter OFF Output Power | - | - | -30 | dBm |

PRE-XFP-Dxx-80(I)

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



Optical Characteristics: Receiver

| Parameter | Min | Typical | Max | Unit |
|------------------------|------|---------|------|------|
| Receiver Wavelength | 1260 | - | 1600 | nm |
| Input Saturation Power | -6 | - | - | dBm |
| Receiver Sensitivity | - | - | -24 | dBm |
| Receiver Reflectance | - | - | -27 | dB |
| 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