

PRE-SFP-Cxx-80, PRE-SFP-Cxx-80I

SFP, CWDM, 1470nm – 1610nm, SMF, 80km, 1.25Gbps



Product Features:

- DFB Transmitter
- PIN Receiver
- 20nm ITU CWDM Grid
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- CWDM Low Waves also Available



Product Applications:

- 1G Ethernet

General Specifications

| Parameter | Symbol | Min | Typ | Max | Unit |
|---|-----------------|------|------|------|------|
| Case Operating Temperature (Commercial) | T _{op} | 0 | - | 70 | °C |
| Case Operating Temperature (Industrial) | T _{op} | -40 | - | 85 | °C |
| Power Supply Current | I _{cc} | - | - | 300 | mA |
| Power Supply Voltage | V _{cc} | 3.14 | 3.3 | 3.46 | V |
| Storage Humidity | H _s | 5 | - | 95 | % |
| Storage Temperature | T _s | -40 | - | 85 | °C |
| Transmission Distance | TD | - | - | 80 | km |
| Data Rate (Total) | DR _T | - | 1.25 | - | Gbps |

Optical Characteristics: Transmitter

| Parameter | Symbol | Min | Typ | Max | Unit |
|------------------------------|-------------|------------------|-----|------------------|-------|
| Center Wavelength | λ_c | $\lambda_c - 10$ | - | $\lambda_c + 10$ | nm |
| Transmit Power | P_{OUT} | 0 | - | 5 | dBm |
| Spectral Width | σ | - | - | 1 | nm |
| Side Mode Suppression Ratio | SMSR | 30 | - | - | dB |
| Extinction Ratio | ER | 9 | - | - | dB |
| Relative Intensity Noise | RIN | 90 | 100 | 110 | dB/Hz |
| Transmitter OFF Output Power | P_{OFF} | - | - | -45 | dBm |

Optical Characteristics: Receiver

| Parameter | Symbol | Min | Typ | Max | Unit |
|------------------------|-------------|------|-----|------|------|
| Receiver Wavelength | λ_r | 1270 | - | 1610 | nm |
| Input Saturation Power | P_{SAT} | -3 | - | - | dBm |
| Receiver Sensitivity | R | - | - | -26 | dBm |
| LOS Assert | LOS_A | -38 | - | - | dBm |
| LOS De-Assert | LOS_D | - | - | -27 | dBm |
| LOS Hysteresis | LOS_H | 0.5 | 2 | 6 | dB |

Product Ordering Information

| Part Number | Description |
|-----------------|---|
| PRE-SFP-Cxx-80 | SFP, CWDM, 1470nm – 1610nm, SMF, 80km, 1.25Gbps, C-Temp |
| PRE-SFP-Cxx-80I | SFP, CWDM, 1470nm – 1610nm, SMF, 80km, 1.25Gbps, I-Temp |