

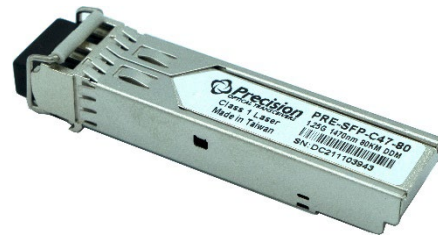
PRE-SFP-Cxx-120(I)

SFP, CWDM, 1470 – 1610nm, 1G, 120km, SMF/LC



Product Features:

- DFB Transmitter
- APD Receiver
- ITU-T CWDM Grid
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 1.25Gbps Maximum Data Rate
- <1.5W Power Consumption



Product Applications:

- Backhaul Networks
- 1000BASE-ZX Ethernet
- WAN and Metro Networks

Standards:

- ITU-T G.695
- SFF-8472/8074i
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Supply Current	-	-	450	mA
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	120	km
Data Rate (Total)	-	1.25	-	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	$\lambda_c - 6.5$	-	$\lambda_c + 6.5$	nm
Transmit Power	0	-	5	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	9	-	-	dB
Transmitter OFF Output Power	-	-	-45	dBm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1610	nm
Receiver Damage Threshold	0	-	-	dBm
Input Saturation Power	-8	-	-	dBm
Receiver Sensitivity	-	-	-32	dBm
LOS Assert	-45	-	-	dBm
LOS De-Assert	-	-	-33	dBm
LOS Hysteresis	0.5	2	6	dB
LOS Hysteresis	0.5	3	5	dB

Product Ordering Information

Part Number	Description
PRE-SFP-Cxx-120	SFP, CWDM, 1470 – 1610nm, 1G, 120km, SMF/LC, C-Temp
PRE-SFP-Cxx-120I	SFP, CWDM, 1470 – 1610nm, 1G, 120km, SMF/LC, I-Temp

Note: "xx" = CWDM channel 47 – 61