

# PRE-SFP-Dxx-40

SFP, DWDM 100GHz, 1528.77nm – 1563.86nm, 1.25G, 40km



## Product Features:

- DFB Transmitter
- PIN Receiver
- 100GHz DWDM Grid
- ITU 17-61 Channels Available
- SMF Transmission Medium
- Duplex LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp Rated
- <1.2W Power Consumption



## Product Applications:

- SONET/SDH
- 1Gbps Ethernet
- Fiber Channel

## Standards:

- DWDM SFP MSA Compliant
- SFF-8472
- Class 1 Laser

## General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature	0	-	70	°C
Power Consumption	-	-	1.2	W
Power Supply Current	-	-	360	mA
Power Supply Voltage	3.13	3.3	3.47	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	40	km
Data Rate (Total)	-	1.25	-	Gbps

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## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	X-0.1	X	X+0.1	nm
Transmit Power	-2	-	3	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	9	-	-	dB
Transmitter OFF Output Power	-	-	-45	dBm
Relative Intensity Noise	90	100	110	Ohm

X= specified ITU center wavelength

## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1610	nm
Input Saturation Power (Overload)	-3	-	-	dBm
Receiver Sensitivity	-	-	-24	dBm
Damage Threshold	5	-	-	dBm
LOS Assert	-38	-	-	dBm
LOS De-Assert	-	-	-25	dBm
LOS Hysteresis	0.5	-	6	dB

## Product Ordering Information

Part Number	Description
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Note: "xx" = ITU channel 17 – 61