

PRE-SFP-Dxx-80

SFP, DWDM 100GHz, 1528.77nm – 1563.86nm (ITU 17-61),
SMF, 80km, 1.25Gbps



Product Features:

- DFB Transmitter
- PIN Receiver
- 100GHz DWDM Grid
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- Supports Bit Rates up to 1.25Gbps



Applications:

- 1G Ethernet
- CPRI

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T_{op}	0	-	70	°C
Power Consumption	P_w	-	-	1.75	W
Power Supply Current	I_{cc}	-	-	500	mA
Power Supply Voltage	V_{cc}	3.13	3.3	3.47	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance	TD	-	-	40	km
Data Rate (Total)	DR_T	-	1.25	-	Gbps

PRE-SFP-Dxx-80

SFP, DWDM 100GHz, 1528.77nm – 1563.86nm (ITU 17-61),
SMF, 80km, 1.25Gbps



Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	λ_c	X-0.1	X	X+0.1	nm
Transmit Power	P_{OUT}	0	-	4	dBm
Spectral Width	σ	-	0.3	-	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	9	-	-	dB
Transmitter OFF Output Power	P_{OFF}	-	-	-45	dB

X= specified ITU center wavelength

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	λ_r	1270		1610	nm
Damage Threshold	P_D	+5			dBm
Input Saturation Power	P_{SAT}	-3			dBm
Receiver Sensitivity	R			-26	dBm
LOS Assert	LOS_A	-38			dBm
LOS De-Assert	LOS_D			-26	dBm
LOS Hysteresis	LOS_H	0.5	2	6	dB

Product Ordering Information

Part Number	Description
PRE-SFP-Dxx-80	SFP, DWDM 100GHz, 1528.77nm – 1563.86nm (ITU 17-61), SMF, 80km, 1.25Gbps, C-Temp

xx= ITU channel number (17 to 61)