

PRE-SFP-Dxx-160

SFP, DWDM 100GHz, 1528.77nm – 1563.86nm (ITU 17-61),
SMF, 160km, 1.25Gbps



Product Features:

- DFB Transmitter
- APD Receiver
- 100GHz DWDM Grid
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)



Product Applications:

- 1G Ethernet

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	T_{op}	0	-	70	°C
Power Consumption	P_w	-	-	1.2	W
Power Supply Current	I_{cc}	-	-	360	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	-	-	160	km
Data Rate (Total)	DR_T	-	-	1.25	Gbps

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**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}	2		6	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}	-6			dBm
Receiver Sensitivity	R			-33	dBm
LOS Assert	LOS_A	-45			dBm
LOS De-Assert	LOS_D			-34	dBm
LOS Hysteresis	LOS_H	0.5	2	6	dB

Product Ordering Information

Part Number	Description
PRE-SFP-Dxx-160	SFP, DWDM 100GHz, 1528.77nm – 1563.86nm (ITU 17-61), SMF, 160km, 1.25Gbps, C-Temp

xx= ITU channel number (17 to 61)