

PRE-SFP-10(I)

SFP, LX, 1310nm, 1G, 10km, SMF/LC, DDM



Product Features:

- FP Transmitter
- PIN Receiver
- 1310nm
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostic Monitoring (DDM)
- C-Temp and I-Temp Available
- 1.25Gbps Maximum Data Rate
- Low Power Consumption



Product Applications:

- 1000BASE-LX Ethernet
- Enterprise Networks
- LAN/WAN

Standards:

- SFF-8472
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Operating Humidity	5	-	70	%
Power Consumption	-	-	1	W
Power Supply Current	-	-	280	mA
Power Supply Voltage	3.13	3.3	3.47	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	10	km
Data Rate (Total)	-	-	1.25	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1270	1310	1360	nm
Transmit Power	-9	-	-3	dBm
Spectral Width	-	-	3.5	nm
Extinction Ratio	9	-	-	dB
Transmitter OFF Output Power	-	-	-45	dB

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1610	nm
Damage Threshold	5	-	-	dBm
Input Saturation Power	-3	-	-	dBm
Receiver Sensitivity	-	-	-19	dBm
LOS Assert	38	-	-	dBm
LOS De-Assert	-	-	-20	dBm
LOS Hysteresis	0.5	2	6	dB

Product Ordering Information

Part Number	Description
PRE-SFP-10	SFP, LX, 1310nm, 1G, 10km, SMF/LC, DDM, C-Temp
PRE-SFP-10I	SFP, LX, 1310nm, 1G, 10km, SMF/LC, DDM, I-Temp