

PRE-XFP-B23(32)-10(I)

XFP, BLR, 1270/1330nm, 10G, 10km, SMF/LC



Product Features:

- DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- Duplex LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 11.3Gbps Maximum Data Rate
- <2W Power Consumption



Product Applications:

- 10G Ethernet
- SONET OC-192
- SDH STM I-64.1

Standards:

- XFP MSA Compliant
- Class 1 Laser
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption	-	-	2	W
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	10	km
Data Rate (Total)	9.95	-	11.3	Gbps

Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1260	1270	1280	nm
Average Transmit Power	-5	-	0	dBm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	3.5	-	-	dB
Spectrum Bandwidth (-20dB)	-	-	1	nm
Transmitter OFF Output Power	-	-	-30	dBm

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Optical Characteristics: Receiver

Parameter		Min	Typical	Max	Unit
Input Optical Wavelength	PRE-XFP-B23-10	1320	1330	1340	nm
	PRE-XFP-B32-10	1260	1270	1280	
Input Saturation Power		0.5	-	-	dBm
Receiver Sensitivity ¹		-	-	-15	dBm
LOS Assert		-32	-	-	dBm
LOS De-Assert		-	-	-17	dBm
LOS Hysteresis		0.5	-	4	dB

Note 1: Measured with RPBS 2³¹-1 test pattern @10.3125Gbs BER≤10⁻¹²

Product Ordering Information

Part Number		Description
PRE-XFP-B23-10		XFP, BLR, 1270/1330nm, 10G, 10km, SMF/LC, DDM, C-Temp
PRE-XFP-B32-10		XFP, BLR, 1330/1270nm, 10G, 10km, SMF/LC, DDM, C-Temp
PRE-XFP-B23-10I		XFP, BLR, 1270/1330nm, 10G, 10km, SMF/LC, DDM, I-Temp
PRE-XFP-B32-10I		XFP, BLR, 1330/1270nm, 10G, 10km, SMF/LC, DDM, I-Temp