

## PRE-XFP-Bxx-60, PRE-XFP-Bxx-60I

XFP, 1270nm/1330nm, BIDI, SMF, 60km, 10Gbps

### Product Features:

- 1310 or 1270nm DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- Supports Bit Rates up to 11.3Gbps
- <2.0W Power Dissipation



### Product Applications:

- 10G Ethernet
- SONET SDH
- OTN Transport

### General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial)	$T_{op}$	0	-	70	°C
Case Operating Temperature (Industrial)	$T_{op}$	-40	-	85	°C
Power Supply Voltage	$V_{cc}$	3.14	3.3	3.47	V
Power Supply Current	$I_{cc}$	-	-	600	mA
Storage Humidity	$H_s$	5	-	95	%
Storage Temperature	$T_s$	-40	-	85	°C
Transmission Distance	TD	-	-	60	km
Data Rate (Total)	$DR_T$	9.95	10.3125	11.3	Gbps

## PRE-XFP-Bxx-60, PRE-XFP-Bxx-60I

XFP, 1270nm/1330nm, BIDI, SMF, 60km, 10Gbps



### Optical Characteristics: Transmitter

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength	$\lambda_c$	1260	1270	1280	nm
		1320	1330	1340	
Transmit Power	$P_{OUT}$	0	-	5	dBm
Spectral Width	$\sigma$	-	-	1	nm
Side Mode Suppression Ratio	SMSR	30	-	-	dB
Extinction Ratio	ER	3.5	-	-	dB
Transmitter OFF Output Power	$P_{OFF}$	-	-	-30	dB

### Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength	$\lambda_r$	1320	1330	1340	nm
		1260	1270	1280	
Damage Threshold	$P_D$	5	-	-	dBm
Input Saturation Power	$P_{SAT}$	-6	-	-	dBm
Receiver Sensitivity	R	-	-	-20	dBm
LOS Assert	$LOS_A$	-35	-	-	dBm
LOS De-Assert	$LOS_D$	-	-	-21	dBm
LOS Hysteresis	$LOS_H$	0.5	-	4	dB

### Product Ordering Information

Part Number	Description
PRE-XFP-B23-60	SFP+, 1270nm Tx/1330nm Rx, BIDI, SMF, 60km, 10Gbps, C-Temp
PRE-XFP-B23-60I	SFP+, 1270nm Tx/1330nm Rx, BIDI, SMF, 60km, 10Gbps, I-Temp
PRE-XFP-B32-60	SFP+, 1330nm Tx/1270nm Rx, BIDI, SMF, 60km, 10Gbps, C-Temp
PRE-XFP-B32-60I	SFP+, 1330nm Tx/1270nm Rx, BIDI, SMF, 60km, 10Gbps, I-Temp