

# PRE-CSFP10G-B23/32-10I

CSFP+, Dual BIDI, 1270nm/1330nm, 10G, 10km, SMF/LC



## Product Features:

- Two Bi-Di transceivers in a CSFP+
- DFB Transmitters
- Up to 10km on SMF
- Duplex LC-Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available



## Product Applications:

- 10G Ethernet

## Standards:

- CSFP MSA
- RoHS
- Class 1 Laser

## General Specifications:

Parameter	Min	Typical	Max	Unit	Note
Case Operating Temperature (Commercial)	0	-	70	C°	
Case Operating Temperature (Industrial)	-40	-	85	C°	
Power Supply Current	-	-	500	mA	
Power Supply Voltage	3.13	3.3	3.47	V	
Storage Humidity	5	-	85	%	
Storage Temperature	-40	-	85	C°	
Transmission Distance	-	-	10	km	
Data Rate (Total)	-	-	10.3	Gbps	

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## Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength (B23)	1260	1270	1280	nm
Center Wavelength (B32)	1320	1330	1340	nm
Transmit Power	-5	-	2	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	3.5	-	-	dB

## Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength (B23)	1320	1330	1340	nm
Receiver Wavelength (B32)	1260	1270	1280	nm
Input Saturation Power	0.5	-	-	dBm
Receiver Sensitivity	-	-	-12	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-14	dBm
LOS Hysteresis	0.5	-	5	dB

## Product Ordering Information

Part Number	Description
PRE-CSFP10G-B23-10	CSFP+, Dual BIDI, 1270nm/1330nm, 10G, 10km, SMF/LC, C-Temp
PRE-CSFP10G-B32-10	CSFP+, Dual BIDI, 1330nm/1270nm, 10G, 10km, SMF/LC, C-Temp
PRE-CSFP10G-B23-10I	CSFP+, Dual BIDI, 1270nm/1330nm, 10G, 10km, SMF/LC, I-Temp
PRE-CSFP10G-B32-10I	CSFP+, Dual BIDI, 1330nm/1270nm, 10G, 10km, SMF/LC, I-Temp

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