

PRE-SFP10G-B23(32)-20(I)

SFP+, BIDI, 1270/1330nm, 10G, 20km, SMF/LC



Product Features:

- DFB Transmitter
- PIN Receiver
- 1330 or 1270nm Tx Waves
- SMF Transmission Medium
- LC/UPC Simplex Connector
- Digital Diagnostic Monitoring
- C and I-Temp Available
- 11.3Gbps Maximum Data Rate
- <1.2W Power Consumption



Product Applications:

- 10GBASE-BX Ethernet
- WAN and Metro Networks
- Backhaul Networks
- SFF-8431/8472
- IEEE 802.3ae
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption	-	-	1.2	W
Power Supply Current	-	-	350	mA
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	20	km
Data Rate (Total)	-	10.3125	11.3	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	-4	-	2	dBm
Spectral Width	-	-	1	nm
Side Mode Suppression Ratio	30	-	-	dB
Extinction Ratio	3.5	-	-	dB
Transmitter OFF Output Power	-	-	-30	dBm

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Rx Wavelength (B23)	1320	1330	1340	nm
Rx Wavelength (B32)	1260	1270	1280	nm
Input Saturation Power	0.5	-	-	dBm
Receiver Sensitivity	-	-	-13	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-15	dBm
LOS Hysteresis	0.5	-	5	dB

Product Ordering Information

Part Number	Description
PRE-SFP10G-B23-20	SFP+, ER, BIDI, 1270/1330, 10G, 20km, SMF, C-Temp
PRE-SFP10G-B32-20	SFP+, ER, BIDI, 1330/1270, 10G, 20km, SMF, C-Temp
PRE-SFP10G-B23-20I	SFP+, ER, BIDI, 1270/1330, 10G, 20km, SMF, I-Temp
PRE-SFP10G-B32-20I	SFP+, ER, BIDI, 1330/1270, 10G, 20km, SMF, I-Temp