

PRE-SFP25G-B23-20, PRE-SFP25G-B23-20I

SFP28, BIDI, 1270 Tx/1330 Rx, SMF, 20km, 25Gbps

PRE-SFP25G-B32-20, PRE-SFP25G-B32-20I

SFP28, BIDI, 1330 Tx/1270 Rx, SMF, 20km, 25Gbps



Product Features:

- DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC-UPC Connector Type
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available

Applications:

- 25G Ethernet
- CPRI 10



Compliance:

- SFF-8431
- SFF-8472
- IEEE 802.3 cc
- IEC/EN 61000-4-2
- EN 61000-3
- FCC Part 15 Class B / EN55022 Class B
- FDA 21CFR 1040.10,11 / IEC/EN 60825-1,2
- RoHS

General Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Case Operating Temperature (Commercial) (Industrial)	T_{op}	0 -40	-	70 85	°C
Power Consumption	P_w	-	-	1.2	W
Power Supply Current	I_{cc}	-	-	360	mA
Power Supply Voltage	V_{cc}	3.14	3.3	3.46	V
Storage Humidity	H_s	5	-	95	%
Storage Temperature	T_s	-40	-	85	°C
Transmission Distance	TD	-	-	20	km
Data Rate (Total)	DR_T	24.3	25.78	26.5	Gbps

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**Optical Characteristics: Transmitter**

Parameter	Symbol	Min	Typ	Max	Unit
Center Wavelength (B23)	λ_c	1260	1270	1280	nm
Center Wavelength (B32)	λ_c	1320	1330	1340	nm
Transmit Power	P_{OUT}	0	-	5	dBm
Spectral Width	σ	-	-	1	nm
Extinction Ratio	ER	3.5	-	-	dB

Optical Characteristics: Receiver

Parameter	Symbol	Min	Typ	Max	Unit
Receiver Wavelength (B23)	λ_r	1320	1330	1340	nm
Receiver Wavelength (B32)	λ_r	1260	1270	1280	nm
Input Saturation Power	P_{SAT}	0.5	-	-	dBm
Receiver Sensitivity	R	-	-	-13.3	dBm
LOS Assert	LOS_A	-30	-	-	dBm
LOS De-Assert	LOS_D	-	-	-14	dBm
LOS Hysteresis	LOS_H	0.5	-	-	dB

Product Ordering Information

Part Number	Description
PRE-SFP25G-B23-20	SFP28, BIDI, 1270 Tx/1330 Rx, SMF, 20km, 25Gbps, C-Temp
PRE-SFP25G-B23-20I	SFP28, BIDI, 1270 Tx/1330 Rx, SMF, 20km, 25Gbps, I-Temp
PRE-SFP25G-B32-20	SFP28, BIDI, 1330 Tx/1270 Rx, SMF, 20km, 25Gbps, C-Temp
PRE-SFP25G-B32-20I	SFP28, BIDI, 1330 Tx/1270 Rx, SMF, 20km, 25Gbps, I-Temp