

B1310x Series

25G 1310 nm DFBs for CWDM

Description

Bandwidth10's B1310x is a series of DFB lasers operating at 25 Gbps. Available wavelengths for CWDM are 1271, 1291, 1311 and 1331nm. The B1310x series supports high temperature operation up to 85°C. The DFBs are available on a sub-mount. The DFBs are designed to meet Telcordia GR-468.

Features

- 1310 nm DFB Laser
- 25 Gbps speed
- CWDM Wavelengths: 1271, 1291, 1311, 1331 nm
- Available on a sub-mount
- High Temperature Operation: -5 to 85 °C
- Designed for Telcordia GR-468

Applications:

25G and 100G transceivers

Electro-Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit
Direct Modulation Rate	Popt		25		Gbps
Output Power	Iop		15 @25°C	10 @85°C	mW
Threshold Current	I _{Th}		8 @25°C	15 @85°C	mA
Operating Current	Iop		60		mA
Operating Voltage	Vop		2		V
Wavelength		1265	1310	1335	nm
Side-Mode Suppression Ratio	SMSR		35		dB

Absolute Maximum Ratings

Parameter	Rating
Optical Output Power	20 mW
Reverse Voltage	2 V
Forward Current	120 mA
Case Operating Temperature	-5 to +85 °C
Storage Temperature	-40 to +85 °C

Ordering Information

Part Number	Description
BXD-1271-F-250-6I	25G, 1271 nm CWDM DFB
BXD-1291-F-250-6I	25G, 1291 nm CWDM DFB
BXD-1311-F-250-6I	25G, 1311 nm CWDM DFB
BXD-1331-F-250-6I	25G, 1331 nm CWDM DFB

For More Information:

Bandwidth10 Ltd.
 1218 Seventh Street, Suite A
 Berkeley, CA 94710
 Tel: 203-561-0769
rlucas@bandwidth10.com
www.Bandwidth10.com

25G 1310 nm DFB

