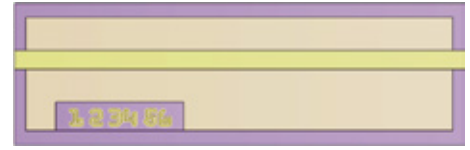


## EB-C4 DFB-70-1311-01



### Product List

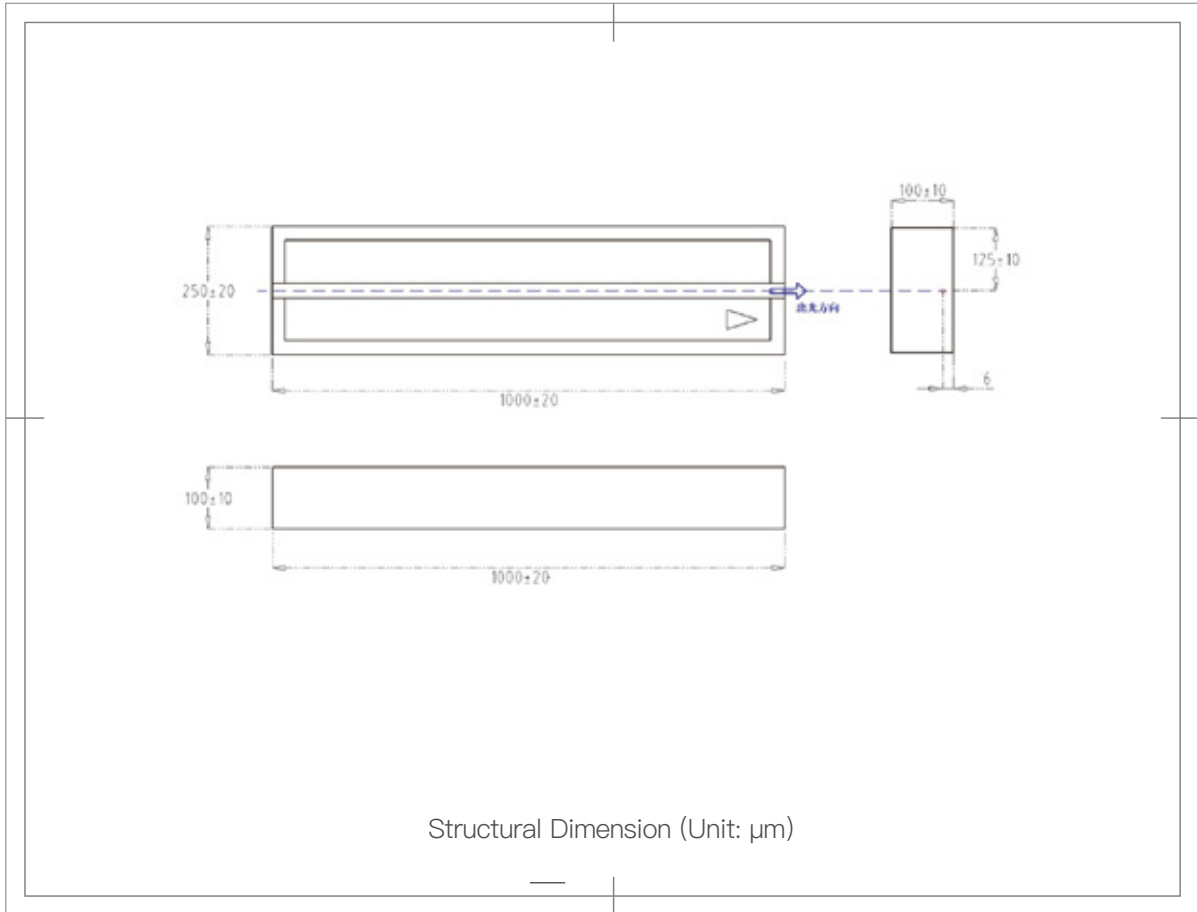
Product Code	Description	Type	Operating Temperature
EB-C4 DFB-70-1271-01	70mW CWDM4 DFB Laser	Laser	0-80°C
EB-C4 DFB-70-1291-01	70mW CWDM4 DFB Laser	Laser	0-80°C
EB-C4 DFB-70-1311-01	70mW CWDM4 DFB Laser	Laser	0-80°C
EB-C4 DFB-70-1331-01	70mW CWDM4 DFB Laser	Laser	0-80°C

### Characteristics

	Unit	Min	Typical	Max	Notes
Operating Temperature	°C	0		80	
Average Operating Current	mA		300		$T_{op} = 80^{\circ}\text{C}$
Output Power	mW	70			$I_{op}, T_{op} = 80^{\circ}\text{C}$
Forward Voltage	V		1.2	1.6	$P_{op} = 70\text{mW}$
Center Emission Wavelength Suppression Ratio	nm	1264.5		1277.5	$P_{op} = 70\text{mW}$
	nm	1284.5		1297.5	$P_{op} = 70\text{mW}$
	nm	1304.5		1317.5	$P_{op} = 70\text{mW}$
	nm	1324.5		1337.5	$P_{op} = 70\text{mW}$
Side Mode Suppression Ratio	dB	35			
Center Emission Wavelength Temperature Variation			0.1		
Beam Divergence (Vertical)	degree		24	30	FWHM, $P_{op} = 70\text{mW}$
Beam Divergence (Horizontal)			12	25	FWHM, $P_{op} = 70\text{mW}$
Relative Intensity Noise (Average)	dB/Hz			-143	$P_{op} = 70\text{mW}$ 0.5GHz~20GHz

#### Remarks

1. Explanation of Item Number: EB (Everbright in short) -C4 DFB-70(Output Power)-1311(Wavelength)-01 (Version Number)
2. All temperatures refer to the temperature of the substrate.
3. The preceding parameters are BOL indicators unless otherwise specified.
4. When used under extreme operating conditions, it will cause permanent damage to the chip.
5. Long-term use under near-limit operating conditions may adversely affect product performance and life.



**Applications**



Data Center Application

**Features**



High Power



Complies with EU RoHs Requirements



Uncooled Operation



Qualified for Non-hermetic Packages



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