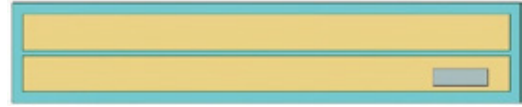


## EB-DFB-200-1311-01



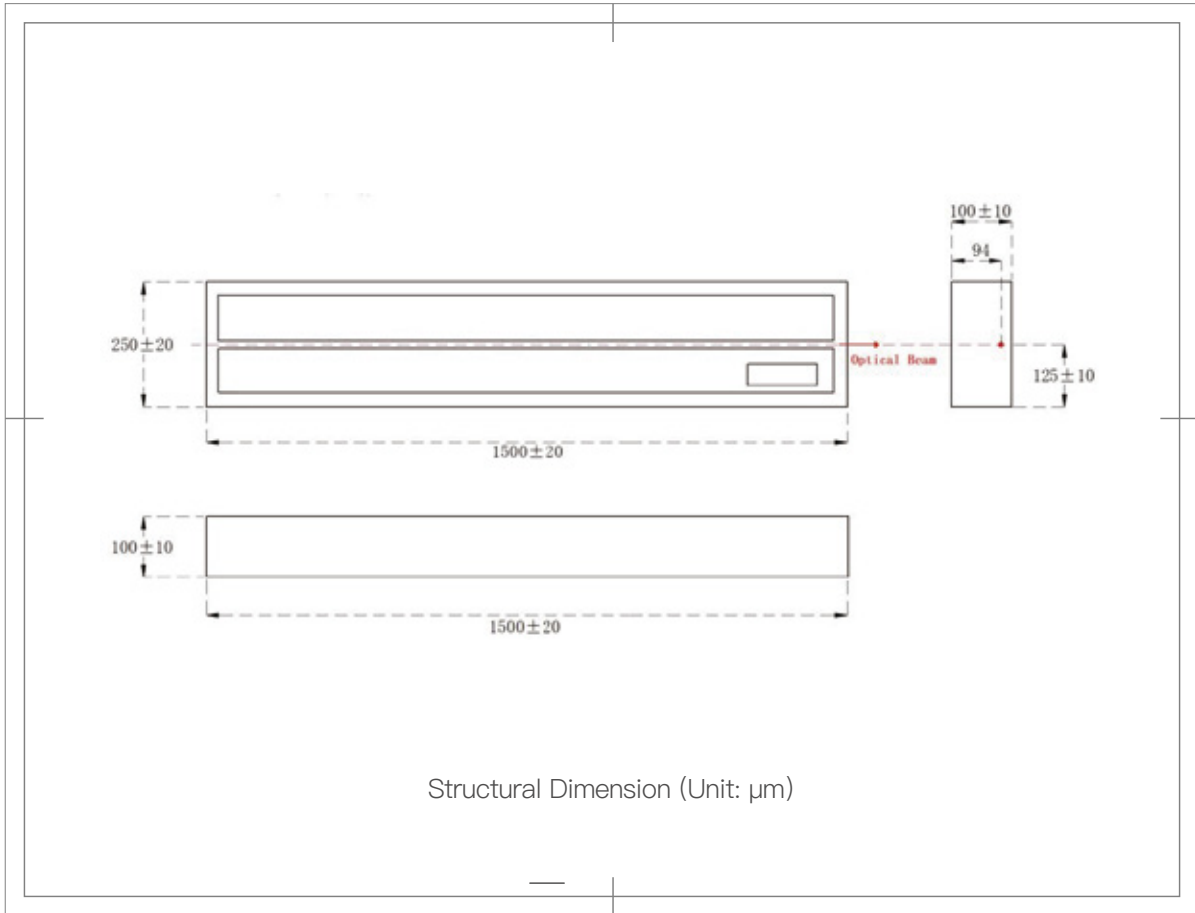
Product Code	Description	Type	Operating Temperature
EB-DFB-200-1311-01	200mW DFB	Chip	5-80°C

### Characteristics

	Unit	Min	Typical	Max	Notes
Operating Temperature	°C	5		80	
Average Operating Current	mA		750		$T_{op} = 80^{\circ}\text{C}$
Threshold Current	mA		80		$T_{op} = 80^{\circ}\text{C}$
Output Power	mW		200		$I_{op}, T_{op} = 80^{\circ}\text{C}$
Forward Voltage	V		1.6		$L_{op}$
Center Emission Wavelength Suppression Ratio	nm	1304.5	1311	1317.5	$L_{op}$
Side Mode Suppression Ratio	dB	35			$L_{op}$
Beam Divergence (Vertical)	deg.		23	30	FWHM, $L_{op}$
Beam Divergence (Horizontal)	deg.		12	25	FWHM, $L_{op}$
Relative Intensity Noise (Average)	dB/Hz			-155	$L_{op}$

### Remarks

1. Explanation of Item Number: EB (Everbright in short)-DFB-200(Output Power)-1311(Wavelength)-01 (Version Number)
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.
6. Normal ESD precautions are required during the handling of this chip. This chip is shipped in ESD protective packaging. It should be removed from the packaging and otherwise handled in an ESD protected environment utilizing standard grounded benches, floor mats, and wrist straps.



### Applications



Data Center Application

### Features



Optical output power >200 mW over the full temperature range



Industry-leading wall plug efficiency (WPE) of 30% at 50 °C and 15% at 80 °C



Qualified for Non-hermetic Packages



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