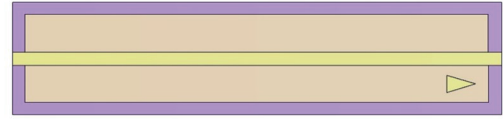


EB-DFB-100-1311-01



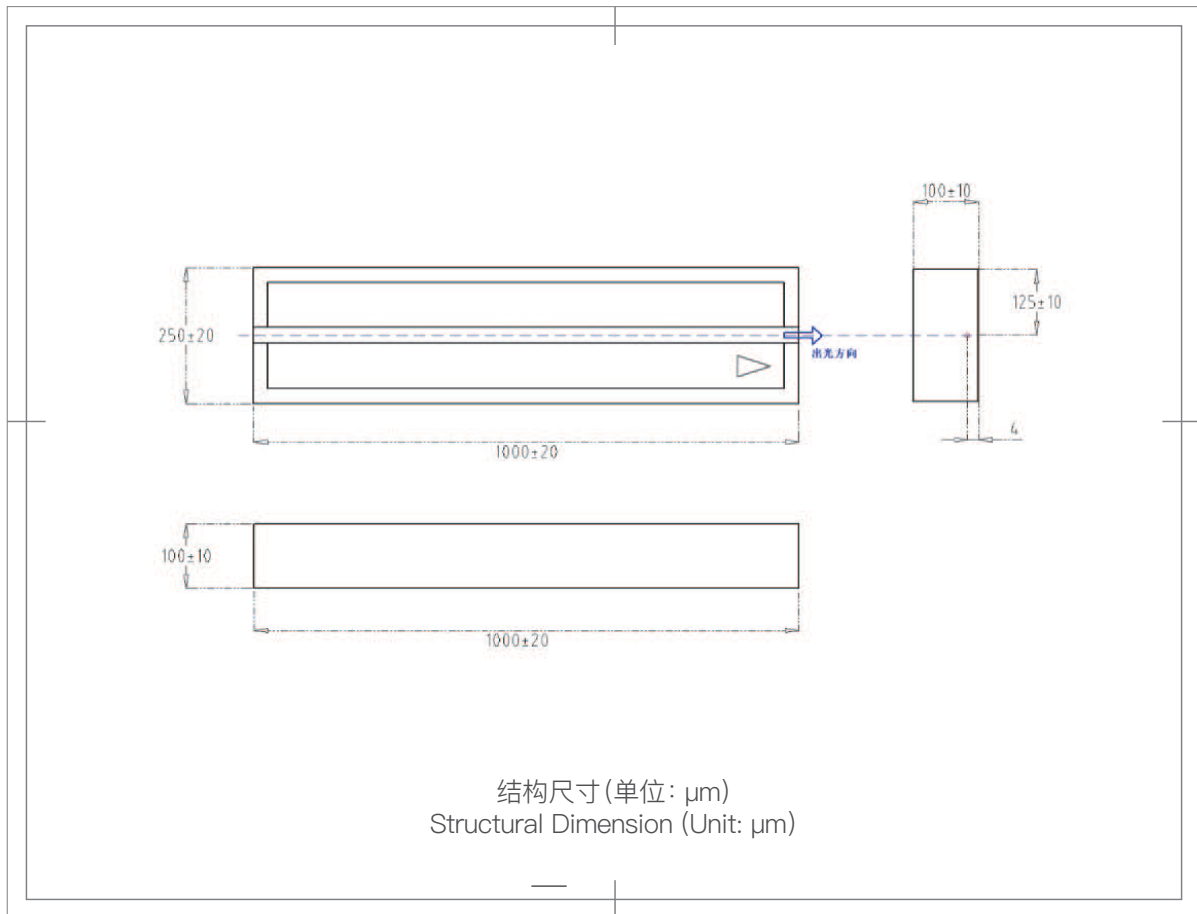
产品型号 Product Code	描述 Description	形态 Type	工作温度 Operating Temperature
EB-DFB-100-1311-01	100mW DFB	Chip	0-80°C

特征/Characteristics

	单位 Unit	最小值 Min	典型值 Typical	最大值 Max	测试条件 Notes
工作温度/Operating Temperature	°C	0		80	
工作电流/Average Operating Current	mA		350	400	$T_{op} = 80^{\circ}\text{C}$
输出功率/Output Power	mW	100			$I_{op}, T_{op} = 80^{\circ}\text{C}$
前向电压/Forward Voltage	V			1.7	$L_{op} = 100\text{mW}$
中心发射波长/Center Emission Wavelength Suppression Ratio	nm	1304.50	1311	1317.50	$L_{op} = 100\text{mW}$
边模抑制比/Side Mode Suppression Ratio	dB	35			
中心波长温漂系数/Center Emission Wavelength Temperature Variation	nm/°C		0.1		
光束发散角(垂直)/Beam Divergence (Vertical)	deg.		24		FWHM, $L_{op} = 100\text{mW}$
光束发散角(水平)/Beam Divergence (Horizontal)	deg.		12		FWHM, $L_{op} = 100\text{mW}$
相对强度噪声(平均)/Relative Intensity Noise (Average)	dB/Hz			-143	$L_{op} = 100\text{mW}$ 0.5GHz~20GHz

备注/Remarks

- 规格型号命名规则：EB (Everbright 长光华芯缩写)-DFB -100 (输出光功率)-1311(工作波长)-01(版本号)
- 所有的温度都指基板的温度。
- 如无特殊说明, 以上参数均为 BOL 指标。
- 在超过极限工作条件下使用时, 会对芯片造成永久性损坏。
- 在临近极限工作条件下长期使用, 可能会对产品性能和寿命产生不利影响。
- 芯片操作时应采取通用的 ESD 防护措施。该芯片采用 ESD 保护包装发货, 将其从包装中取出后, 应在采取 ESD 防护措施的环境中使用, 包括但不限于采用标准接地工作台、脚垫和腕带等 ESD 防护措施。
- Explanation of Item Number: EB (Everbright in short)-DFB-70(Output Power)-1311(Wavelength)-01 (Version Number)
- All temperatures refer to the temperature of the substrate.
- BOL, unless otherwise specified.
- When used under extreme operating conditions, it will cause permanent damage to the chip.
- Long-term use under near-limit operating conditions may adversely affect product performance and life.
- 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.



应用领域 / Applications

数据中心
Data Center Application

产品特点 / Features

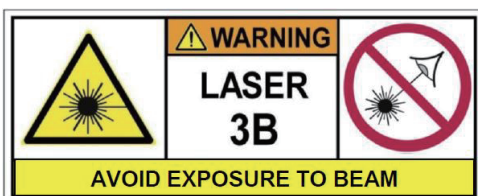
高功率
High Power

非制冷应用
Uncooled Operation

符合欧盟RoHS要求
Complies with EU RoHs Requirements

中心发射波长: 1311nm
Center Emission Wavelength: 1311nm

满足非气密性封装要求
Qualified for Non-hermetic Packages



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