

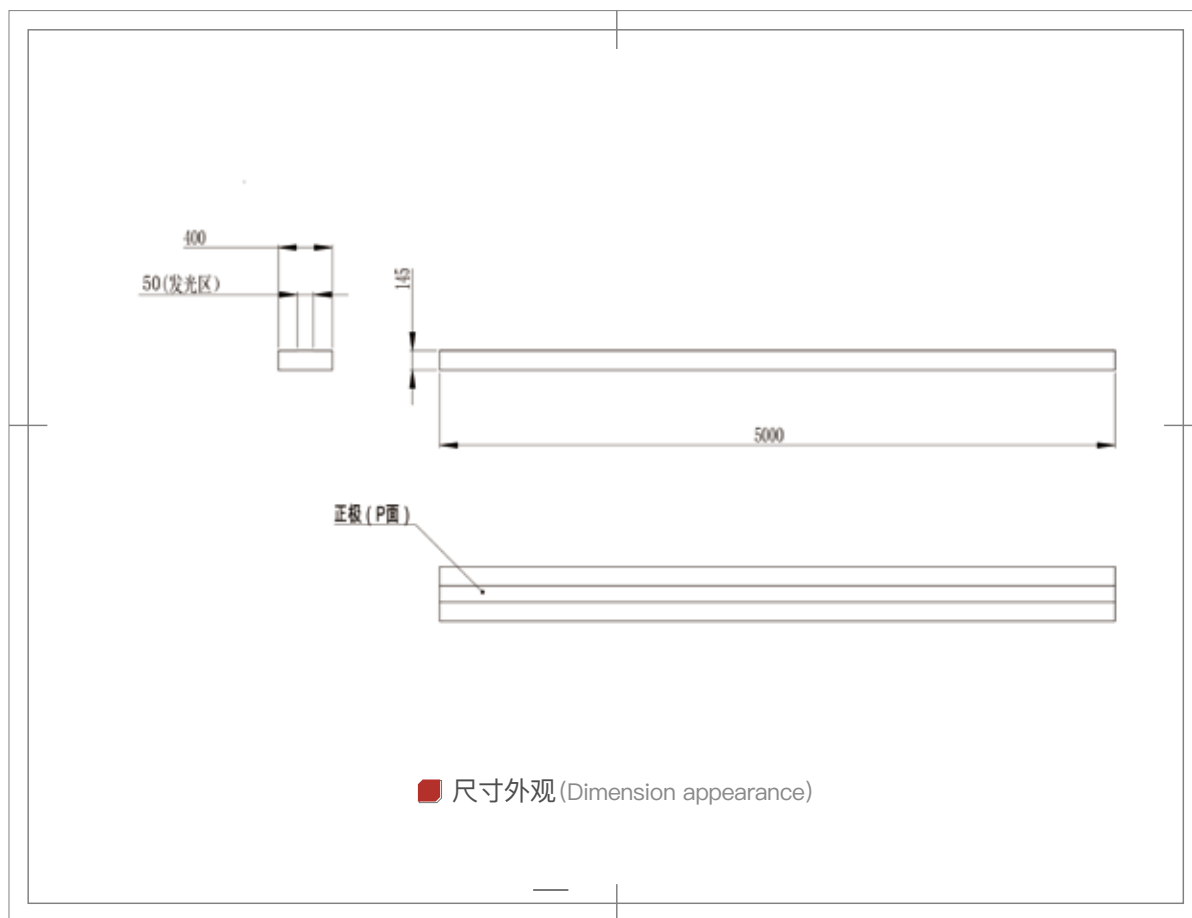
# EB-BC-050-0976-03-064



|                                             | 单位 Unit | 最小值 Min | 典型值 Typ | 最大值 Max |
|---------------------------------------------|---------|---------|---------|---------|
| <b>光学性能 /Optical</b>                        |         |         |         |         |
| 中心波长 (Center Wavelength)                    | nm      | 973     | 976     | 979     |
| 中心波长偏差 (Wavelength Tolerance)               | nm      |         | ±3      |         |
| 输出功率 ( Output Power)                        | W       |         | 50      |         |
| 工作模式 (Operating Mode)                       | –       |         | CW      |         |
| 快轴发散角(95% 能量)(Fast-axis Divergence)         | Deg     |         | 55      |         |
| 慢轴发散角(95% 能量)(Slow-axis Divergence)         | Deg     |         | 10.5    |         |
| 光谱宽度 (Spectral Width (FWHM))                | nm      | 3       | 4       | 5       |
| 波长温度系数 (Wavelength Temperature Coefficient) | nm / °C |         | 0.33    |         |
| 偏振 (TE Polarization)                        | %       | 96      | 97      |         |
| <b>电学性能 /Electrical</b>                     |         |         |         |         |
| 光电转换效率 (Power Conversion Efficiency)        | %       |         | 62      |         |
| 斜率效率 (Slope Efficiency )                    | W / A   |         | 1.10    |         |
| 阈值电流 (Thershold Current)                    | A       |         | 2.8     |         |
| 工作电流 ( Operating Current)                   | A       |         | 55      |         |
| 工作电压 ( Operating Voltage)                   | V       |         | 1.55    | 1.6     |
| <b>几何尺寸 /Geometric Size</b>                 |         |         |         |         |
| 发光区宽度 ( Emitter Width)                      | um      |         | 400     |         |
| 腔长 (Cavity Length)                          | mm      |         | 5.6     |         |
| 宽度 (Width)                                  | um      |         | 560     |         |
| 厚度 (Thickness)                              | um      |         | 145     |         |

## 备注 /Remarks

- 规格型号命名规则：EB（长光华芯缩写）–BC（Bare Chip 缩写）–50（输出功率）– 0976（中心波长）– 03（中心波长偏差）–064(结构号)
- 以上测试温度为 25 度
- 避免在结露环境下存储和使用, 超过规定温度工作会影响寿命
- 超过正常功率范围使用会缩短使用寿命



尺寸外观 (Dimension appearance)

#### 产品特点 / Product Features

 高可靠性  
High Reliability

 高效率  
High Efficiency

 高功率  
High Power

#### 应用领域 / Application Area

 工业泵浦  
Industrial Pump

 激光装备  
Laser Equipment

 科研  
R&D

 生物医学  
Biomedical



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