

LED单晶封装用标准测试机

测试LED一般电性和光学

型号：ZCLED-12A02\N

| 测试项目 | 量测规格 | | | | 输出项目 | 输出规格 | | | | 备注 | |
|----------------|-------------------|---------------|---------------------|---------------|------------|------|---------------------------|------------------|----------|-----------|--|
| | 单位 | 范围 | 精度 | 重复性 | | 单位 | 范围 | 精度 | 输出时间 | | |
| VF | V | 0.1~20.00 | $\pm 0.25\%+0.002V$ | ± 0.02 | IF | mA | 0.001~4.000 | $\pm 1\%+0.002$ | 2~99mS | 1.2.8 | |
| | | | | | | | 4.01~40.00 | $\pm 1\%+0.02$ | 0.3~99mS | | |
| | | | | | | | 40.1~400.0 | $\pm 1\%+0.2$ | 0.3~99mS | | |
| | | | | | | | 401~2000 | $\pm 1\%+2$ | 0.3~99mS | | |
| DVF | V | 0.1~20.00 | $\pm 0.25\%+0.002V$ | ± 0.02 | DIF | mA | 0.001~4.000 | $\pm 1\%+0.002$ | 2~99mS | 1.2.8 | |
| | | | | | | | 4.01~40.00 | $\pm 1\%+0.02$ | 0.3~99mS | | |
| | | | | | | | 40.1~400.0 | $\pm 1\%+0.2$ | 0.3~99mS | | |
| | | | | | | | 401~2000 | $\pm 1\%+2$ | 0.3~99mS | | |
| POLA | 分辨极性，无读值显示 | | | | POLA IF | mA | 4.01~400.0 | $\pm 1\%+0.2$ | 1mS | | |
| HEAT | 加热材料，无读值显示 | | | | HEAT IF | mA | 0.001~4.000 | $\pm 1\%+0.002$ | 2~99mS | 1.2.8 | |
| | | | | | | | 4.01~40.00 | $\pm 1\%+0.02$ | 0.3~99mS | | |
| | | | | | | | 40.1~400.0 | $\pm 1\%+0.2$ | 0.3~99mS | | |
| | | | | | | | 401~2000 | $\pm 1\%+2$ | 0.3~99mS | | |
| VFD | V | 0.1~20.00 | 大约值 | ± 0.1 | IFD | uA | 100uA | 大约值 | | 1.2.8 | |
| | | | | | | mA | 25mA | | | | |
| VZ | V | 0.1~200.0 | $\pm 0.25\%+0.2$ | ± 0.2 | IZ | uA | 10.00~40.00 | $\pm 1\%+0.02$ | 2~99mS | 1.2.8 | |
| | | | | | | | 40.1~400.0 | $\pm 1\%+0.2$ | 2~99mS | | |
| IR | uA | 0.001~4.000 | $\pm 1\%+0.002uA$ | $\pm 0.005uA$ | VR | V | 0.01~200.0V | $\pm 0.5\%+0.02$ | 2~99mS | 1.2.8 | |
| | | 10.00~40.00 | $\pm 1\%+0.02uA$ | $\pm 0.05uA$ | | | | | | | |
| | | 40.1~400.0 | $\pm 1\%+0.2uA$ | $\pm 0.5uA$ | | | | | | | |
| LOP (Iv或Ie) | 使用校正方式可对应到(Iv或Ie) | | | | LOP IF | mA | 0.001~4.000 | $\pm 1\%+0.002$ | 2~99mS | 1.3.8 | |
| | | | | | | | 4.01~40.00 | $\pm 1\%+0.02$ | 0.3~99mS | | |
| | | | | | | | 40.1~400.0 | $\pm 1\%+0.2$ | 0.3~99mS | | |
| | | | | | | | 401~2000 | $\pm 1\%+2$ | 0.3~99mS | | |
| λd | nm | 380.0~700.0 | $\pm 0.5nm$ | $\pm 0.3nm$ | spec IF | mA | 0.001~4.000 | $\pm 1\%+0.002$ | 2~99mS | 4.5.6.7.8 | |
| λc | nm | 380.0~720.0 | $\pm 0.5nm$ | $\pm 0.3nm$ | | | 4.01~40.00 | $\pm 1\%+0.02$ | 0.2~99mS | | |
| λp | nm | 380.0~1000.0 | $\pm 0.5nm$ | $\pm 0.3nm$ | | | 40.1~400.0 | $\pm 1\%+0.2$ | 0.2~99mS | | |
| HW | nm | 3.0~600.0nm | $\pm 0.5nm$ | $\pm 0.3nm$ | | | 401~6000 | $\pm 1\%+2$ | 0.2~99mS | | |
| Purity | | 0.000~1.000 | ± 0.002 | ± 0.001 | | | CCD为2048pixel，积分时间最低0.2mS | | | | |
| CIE x.y | | 0.0002~1.0000 | ± 0.001 | ± 0.0005 | | | | | | | |
| CCT | ° K | 1000~25000 | ± 100 | ± 50 | | | | | | | |

1.使用一般LED测试结果，请确实排除受热和环境影响

2.S/N比较差时须使用电源滤波方式[50/60HZ]，并且时间要大于50Hz=20mS 60Hz=16.6mS以上

3.使用标准件校正LOP并随波长修正

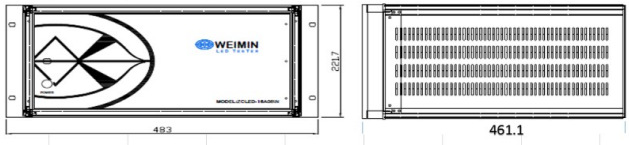
4. λd /Purity/CCT由x.y计算，请参阅x.y的精度和重复性5.过于平顶型LED会造成 λp 跳动过大

6.UV波段校正需使用UV标准光源

7. λd 读值仅限在可见光源

8.量测输出电流越小需要根据现场状况适当增加时间

产品尺寸图



输出曲线图

