

深圳市明空光电科技有限公司

产品规格

Production Specification

承认书

Samples approval sheet

客户名称 (Customer name): 深圳市英肯电子有限公司

元件名称 (Production name): 5*2*7MM 方形绿发绿

型号 (Model): MK-251GD

编号 (Part number): MK10092001

日期 (Date): 2010-7-23

| 深圳市明空光电科技有限公司 | | | |
|-------------------|------------------|-------------------|---------------------|
| 编制 Prepared by | 审核 Checked by | 核准 Approved by | 市场部 Market Dept. |
| | | | |

| 客户确认 | | |
|-----------------------|------------------|-------------------|
| CUSTOMER CONFIRMATION | | |
| 确认 Confirmed by | 审核 Checked by | 核准 Approved by |
| | | |

Part Number: MK-251GD

Rev:10

■ Absolute Maximum Rating

| Item | Symbol | Absolute Maximum Rating | Unit |
|-----------------------------|------------------|--------------------------|------|
| Forward Current | I _F | 20 | mA |
| Peak Forward Current* | I _{FP} | 120 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 70 | mW |
| Electrostatic discharge | E _{SD} | 400 | V |
| Operation Temperature | T _{opr} | -25~+80 | °C |
| Storage Temperature | T _{stg} | -40~+80 | °C |
| Lead Soldering Temperature* | T _{sol} | Max. 230°C for 5sec Max. | |

*I_{FP} Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

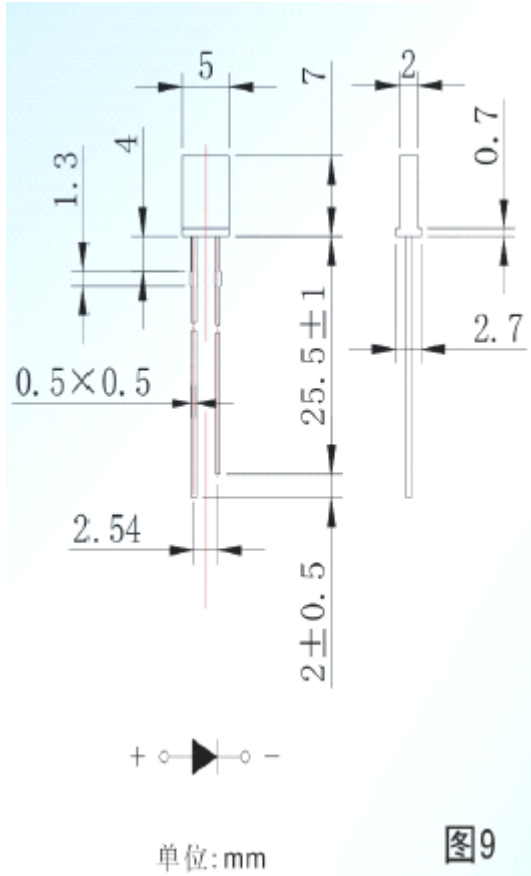
■ Typical Optical/ Electrical Characteristics

| Item | Symb ol | Condition | Min. | Typ. | Max. | Unit |
|----------------------------------|----------------------|----------------------|------|------|------|------|
| Forward Voltage | V _F | I _F =20mA | 2.3 | -- | 2.5 | V |
| Reverse Current | I _R | V _r =5V | -- | -- | 5 | uA |
| 50% Power Angle | 2 θ 1/2 | I _F =20mA | -- | 130 | -- | deg |
| Luminous Intensity | I _v | I _F =20mA | 7 | -- | 10 | mcd |
| TC | λ _P | I _F =20mA | -- | 571 | -- | nm |
| Recommend Forward Current | I _F (rec) | -- | 15 | -- | 20 | mA |

Notes:

1. Absolute maximum ratings Ta=25°C.
2. Tolerance of measurement of forward voltage ± 0.1V.
3. Tolerance of measurement of peak Wavelength ± 2.0nm.
4. Tolerance of measurement of luminous intensity ± 15%.

■ Package Dimensions And Materials



| Chip | | Lens Color |
|----------|----------------|------------|
| Material | Emitting Color | |
| INGaALP | GREEN | Diffused |
| | | |

Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.2\text{mm}$ unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads.
4. Burr around bottom of epoxy may be 0.5mm max..