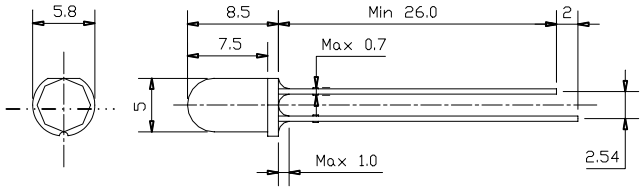
# GREEN LIGHT EMITTING DIODE
# **LPG-510CWH**

1. Features

1-1. The radiation substrate material is InGaN/SiC

1-2. Available for pulse operating




*NOTE 1. All dimensions in "mm"

2. Applications

2-1. Electronic signs and signals

2-2. Small area illumination

2-3. Back-light

2-4. Indicator

3. Absolute Maximum Ratings ( Ta=25℃)

| Item | Symbol | Rating | Unit |
|---|---|---|---|
| Reverse Voltage | $V_R$ | 5 | V |
| Forward Current | $I_F$ | 30 | mA |
| Pulse Forward Current*[1] | $I_{FP}$ | 100 | mA |
| Power Dissipation | $P_D$ | 125 | mW |
| LED Junction Temperature | Tj | 125 | ℃ |
| Operating Temperature | Topr | -25~+80 | ℃ |
| Storage Temperature | Tstg | -30~+100 | ℃ |

*[1] tw=100μsec, T=10msec

4. Electro-Optical Characteristics ( Ta=25℃)

| Item | Symbol | Condition | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Forward Voltage | $V_F$ | $I_F$=20mA | | 3.5 | 4.0 | V |
| Reverse Current | $I_R$ | $V_R$=5V | | | 10 | μA |
| Luminous Intensity | $I_V$ | $I_F$=20mA | | 4000 | | mcd |
| Peak Wavelength | λp | $I_F$=20mA | | 525 | | nm |
| Capacitance | Ct | f=1MHz | | 40 | | pF |
| Angle | | | | 30 | | deg. |

5. Notes

LBG-□□□□□□ LEDs are class 2 ESD sensitive.

Please observe appropriate precautions handling and processing.