



## BVH-141G1

### DESCRIPTION

Dice Material : GaP/GaP Green

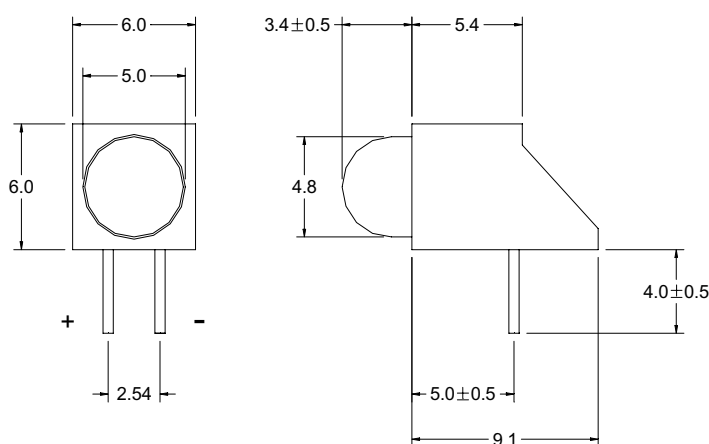
Light Color : Green Color

Lens Color : Green Diffused

Holder Color : Black Color

### PACKAGE CONFIGURATION

Tolerance :  $\pm 0.25$  mm



| LAMP  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------|---|---|---|---|---|---|---|---|---|----|----|----|
| COLOR | G |   |   |   |   |   |   |   |   |    |    |    |

### ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

| PARAMETER                                                         | MAX                | UNIT  |
|-------------------------------------------------------------------|--------------------|-------|
| Power Dissipation                                                 | 80                 | mW    |
| Continuous Forward Current                                        | 30                 | mA    |
| Peak Forward Current ( 1/10 Duty Cycle , 0.1ms Pulse Width )      | 90                 | mA    |
| Reverse Voltage                                                   | 5                  | V     |
| Derating Linear From 25 °C                                        | 0.4                | mW/°C |
| Operating Temperature Range                                       | -30 °C to + 85 °C  |       |
| Storage Temperature Range                                         | -40 °C to + 100 °C |       |
| Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 seconds |                    |       |

### ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

| SYMBOL            | PARAMETER                | TEST COND.            | MIN. | TYP. | MAX. | UNIT |
|-------------------|--------------------------|-----------------------|------|------|------|------|
| V <sub>F</sub>    | Forward Voltage          | I <sub>F</sub> = 20mA |      | 2.2  | 2.8  | V    |
| I <sub>R</sub>    | Reverse Current          | V <sub>R</sub> = 5V   |      |      | 100  | μA   |
| λ <sub>p</sub>    | Peak Emission Wavelength | I <sub>F</sub> = 20mA |      | 568  |      | nm   |
| λ <sub>d</sub>    | Dominant Wavelength      | I <sub>F</sub> = 20mA |      | 573  |      | nm   |
| 2θ <sub>1/2</sub> | Viewing Angle            | I <sub>F</sub> = 20mA |      | 30   |      | Deg  |
| I <sub>v</sub>    | Luminous intensity       | I <sub>F</sub> = 10mA | 20   | 45   |      | mcd  |

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\*Dominant Wavelength, λ<sub>d</sub> is according to CIE Chromaticity Diagram base on color of lamps.

\*θ<sub>1/2</sub> is the off-axis angle where the luminous intensity is one half the on-axis intensity.