

BLF052MGC-28V-P MEGA GREEN

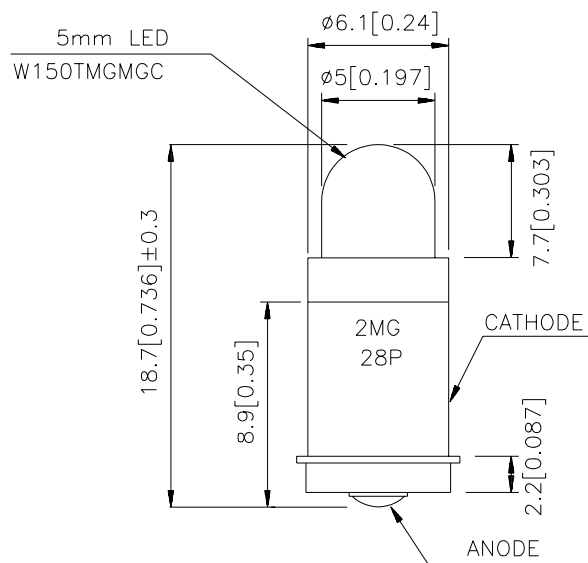
### Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 28V INTERNAL RESISTOR.

### Description

The Mega Green source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

### Package Dimensions



#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.
3. Specifications are subject to change without notice.

## Selection Guide

| Part No.        | Dice                 | Lens Type   | Iv (mcd)<br>V=28V |      | Viewing<br>Angle |
|-----------------|----------------------|-------------|-------------------|------|------------------|
|                 |                      |             | Min.              | Typ. | 2θ1/2            |
| BLF052MGC-28V-P | MEGA GREEN (InGaAlP) | WATER CLEAR | 70                | 200  | 45°              |

Note:

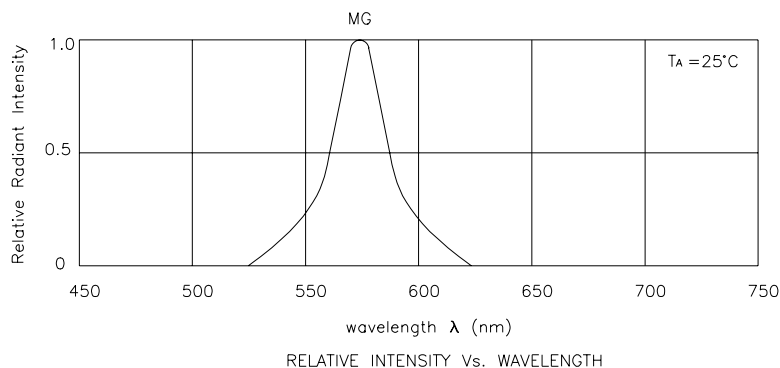
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

| Symbol            | Parameter                | Device     | Typ. | Max. | Units | Test Conditions     |
|-------------------|--------------------------|------------|------|------|-------|---------------------|
| λ <sub>peak</sub> | Peak Wavelength          | Mega Green | 574  | -    | nm    | V <sub>F</sub> =28V |
| λ <sub>D</sub>    | Wavelength at Dominate   | Mega Green | 568  | -    | nm    | V <sub>F</sub> =28V |
| Δλ <sub>1/2</sub> | Spectral Line Half-width | Mega Green | 26   | -    | nm    | V <sub>F</sub> =28V |
| I <sub>F</sub>    | Forward Current          | Mega Green | 10.8 | -    | mA    | V <sub>F</sub> =28V |
| I <sub>R</sub>    | Reverse Current          | Mega Green | -    | 10   | uA    | V <sub>R</sub> = 5V |

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

| Parameter             | Mega Green     | Units |
|-----------------------|----------------|-------|
| Power dissipation     | 380            | mW    |
| DC Forward Voltage    | 32             | V     |
| Reverse Voltage       | 5              | V     |
| Operating Temperature | -40°C To +70°C |       |
| Storage Temperature   | -40°C To +85°C |       |



Mega Green

BLF052MGC-28V-P

