

DC7G3HWA

GREEN/BRIGHT RED

Features

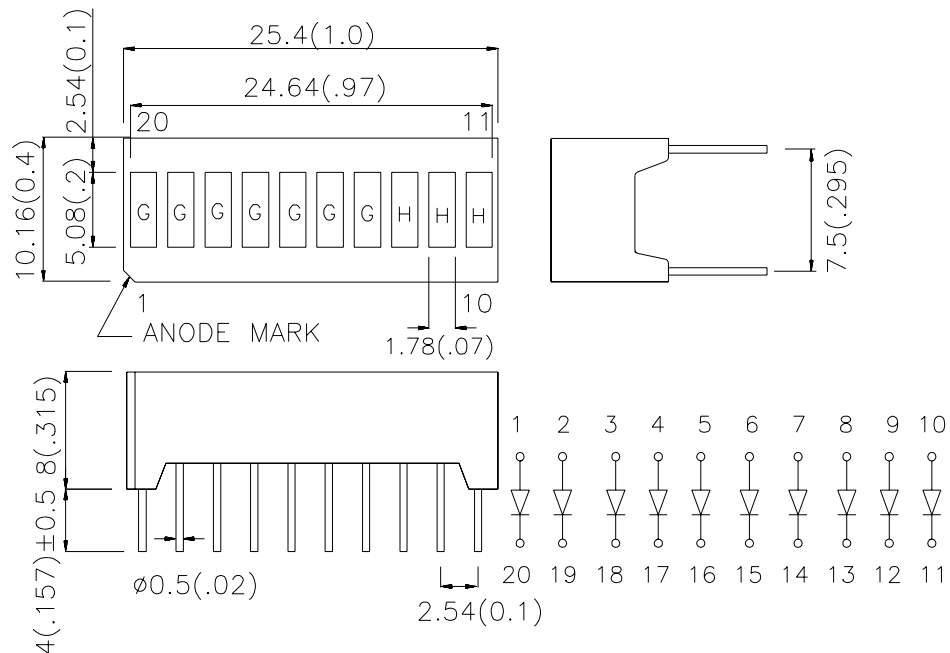
- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- STANDARD : GRAY FACE, WHITE SEGMENT.

Description

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

The Bright Red source color devices are made with Gallium Phosphide Red Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

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

Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) @ 10 mA | | Description |
|----------|------------------|----------------|---------------------|------|---|
| | | | Min. | Typ. | |
| DC7G3HWA | GREEN (GaP) | WHITE DIFFUSED | 3000 | 9500 | 10 Segments Bargraph-Display 7 xGreen 3 x Bright Red |
| | BRIGHT RED (GaP) | | 900 | 2200 | |

Electrical / Optical Characteristics at T_A=25°C

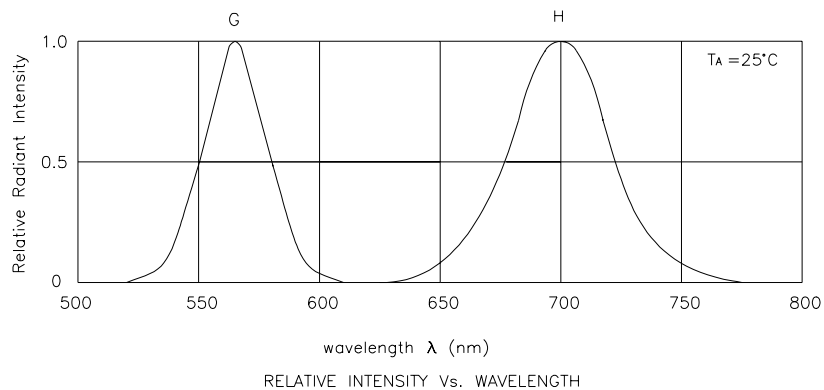
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--------------------------|---------------------|-------------|------------|-------|---------------------------|
| λ_{peak} | Peak Wavelength | Green Bright Red | 565 700 | | nm | I _F =20mA |
| λ_D | Dominant Wavelength | Green Bright Red | 568 660 | | nm | I _F =20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Green Bright Red | 30 45 | | nm | I _F =20mA |
| C | Capacitance | Green Bright Red | 15 40 | | pF | V _F =0V;f=1MHz |
| V _F | Forward Voltage | Green Bright Red | 2.2 2.25 | 2.5 2.5 | V | I _F =20mA |
| I _R | Reverse Current | All | | 10 | uA | V _R =5 V |

Absolute Maximum Ratings at T_A=25°C

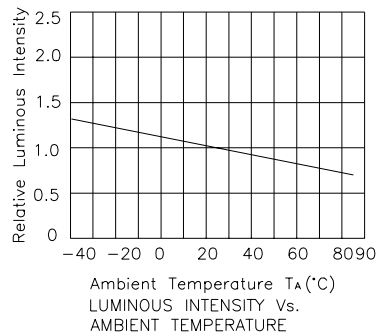
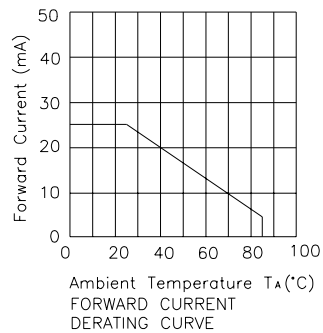
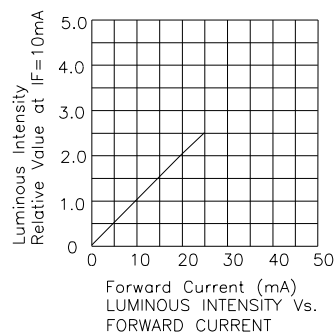
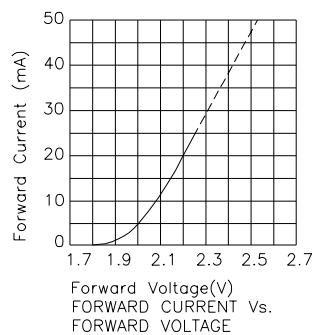
| Parameter | Green | Bright Red | Units |
|-------------------------------|---------------------|------------|-------|
| Power dissipation | 105 | 120 | mW |
| DC Forward Current | 25 | 25 | mA |
| Peak Forward Current [1] | 140 | 130 | mA |
| Reverse Voltage | 5 | 5 | V |
| Operating/Storage Temperature | -40°C To +85°C | | |
| Lead Solder Temperature [2] | 260°C For 5 Seconds | | |

Notes:

- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2mm below package base.



**DC7G3HWA
Green**



Bright Red

