

DC-7G3HWA

GREEN  
BRIGHT RED

### Features

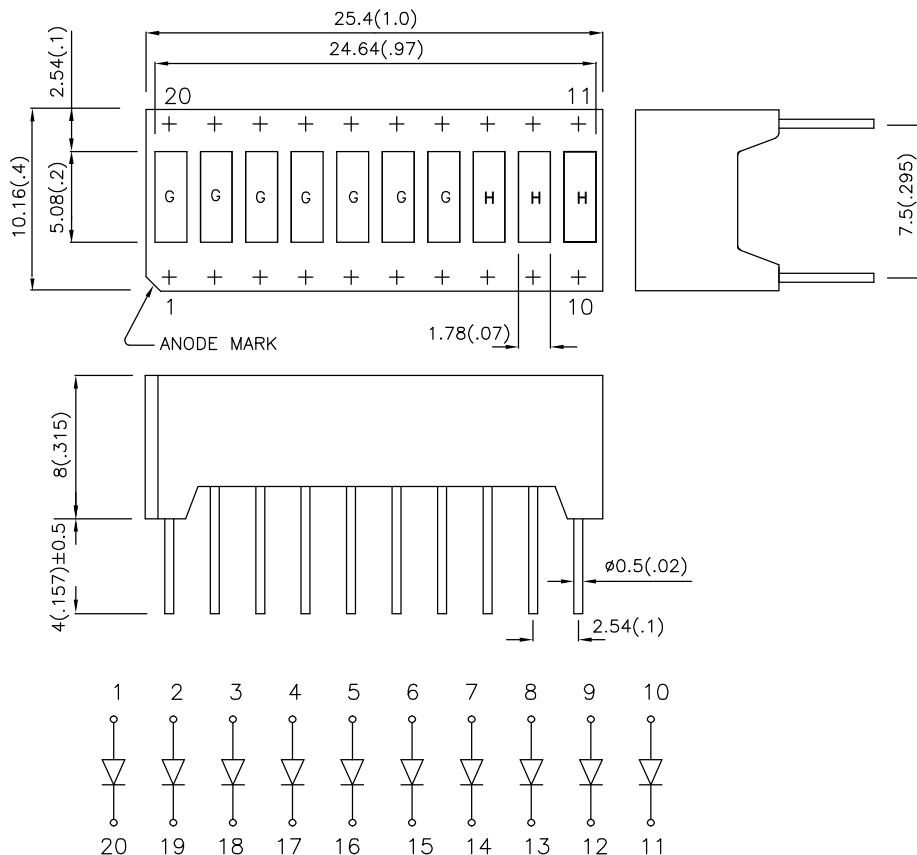
- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

### 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) @ 10mA		Description
			Min.	Typ.	
DC-7G3HWA	GREEN (GaP)	WHITE DIFFUSED	1900	9500	10 Segments Bargraph-Display 7xGreen 3xBright Red
	BRIGHT RED (GaP)		480	2200	

## Electrical / Optical Characteristics at TA=25°C

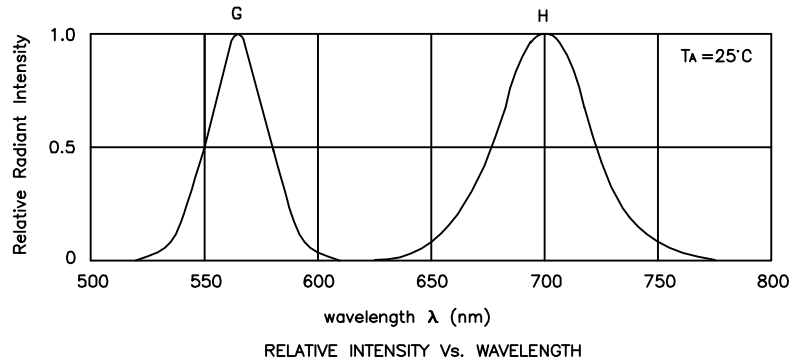
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Green Bright Red	565 700		nm	IF=20mA
$\lambda_D$	Dominant Wavelength	Green Bright Red	568 660		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green Bright Red	30 45		nm	IF=20mA
C	Capacitance	Green Bright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

## Absolute Maximum Ratings at TA=25°C

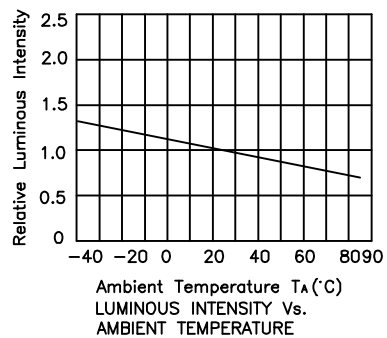
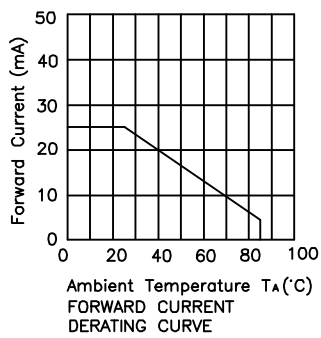
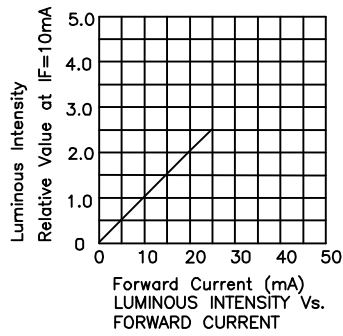
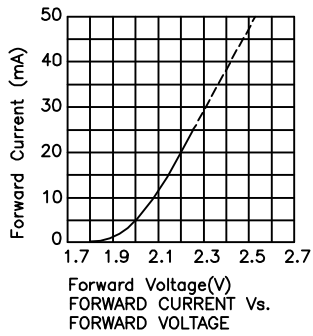
Parameter	Green	Bright Red	Units
Power dissipation	105	120	mW
DC Forward Current	25	25	mA
Peak Forward Current [1]	140	130	mA
Reverse Voltage	5		V
Operating / storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes:

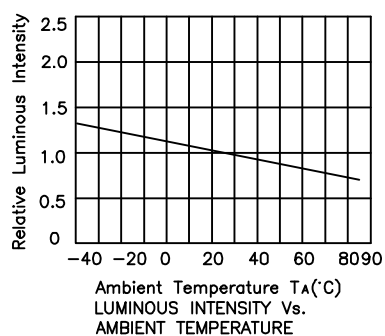
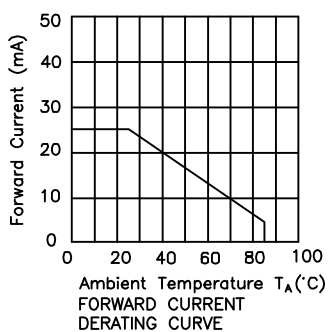
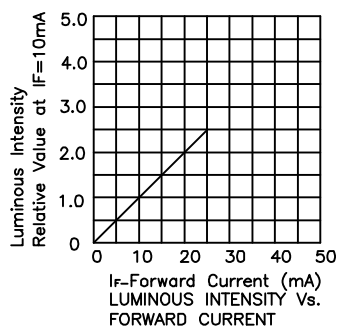
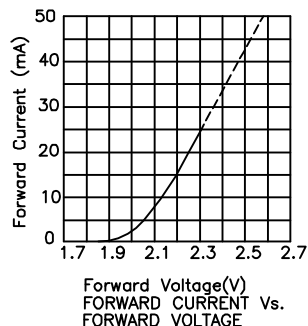
- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2mm below package base.



**DC-7G3HWA**  
Green



## Bright Red



Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.