

Part Number: DC7G3HWA

GREEN  
BRIGHT RED

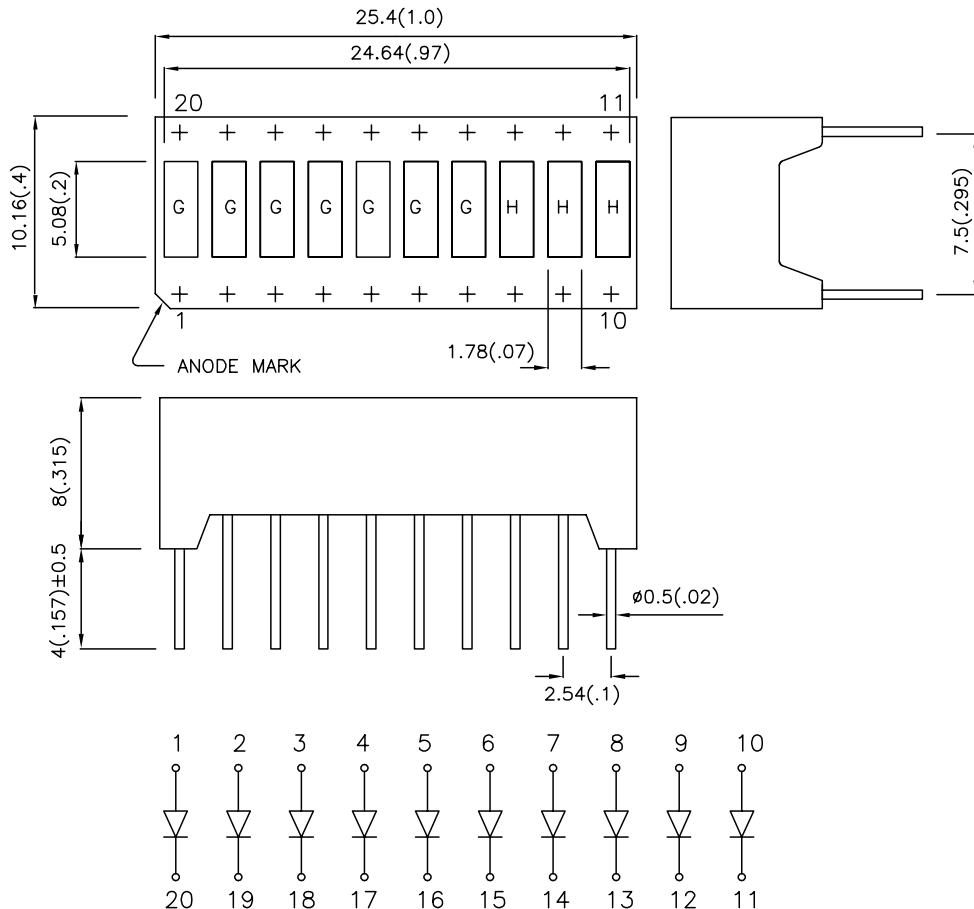
### Features

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- 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) [1] @ 10mA		Description
			Min.	Typ.	
DC7G3HWA	GREEN (GaP)	WHITE DIFFUSED	1900	9500	10 Segments Bargraph-Display 7xGreen 3xBright Red
	BRIGHT RED (GaP)		480	2200	

Note:

1. Luminous Intensity/ Luminous Flux: +/-15%.

## 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
$\lambda_D[1]$	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 [2]	Forward Voltage	Green Bright Red	2.2 2.25	2.5 2.5	V	IF=20mA
IR	Reverse Current	Green Bright Red		10	uA	VR = 5V

Notes:

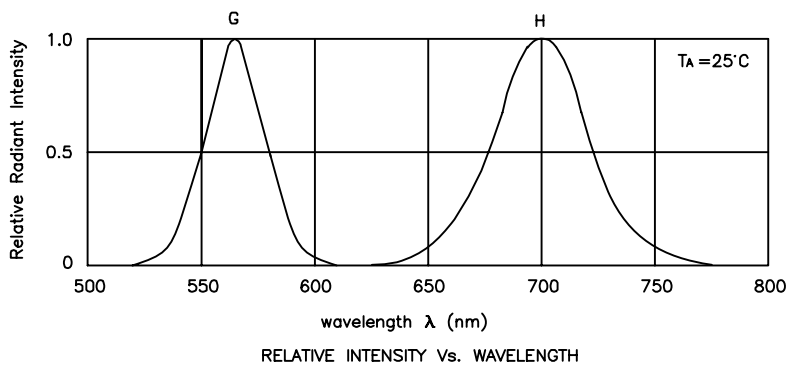
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

## Absolute Maximum Ratings at TA=25°C

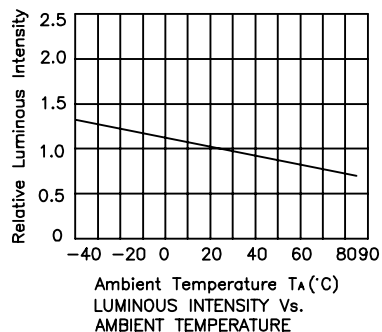
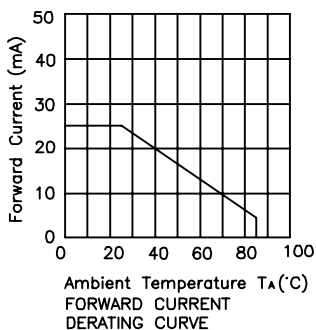
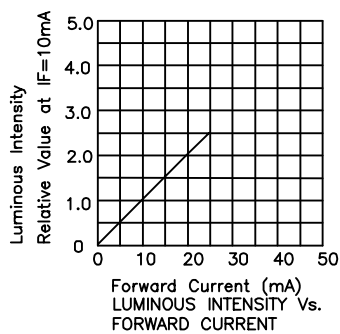
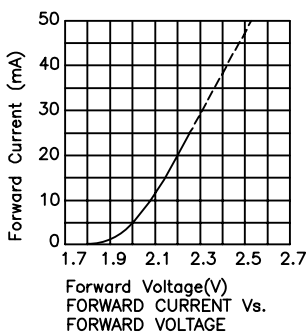
Parameter	Green	Bright Red	Units
Power dissipation	105	120	mW
DC Forward Current	25	25	mA
Peak Forward Current [1]	140	130	mA
Reverse Voltage	5	5	V
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		

Notes:

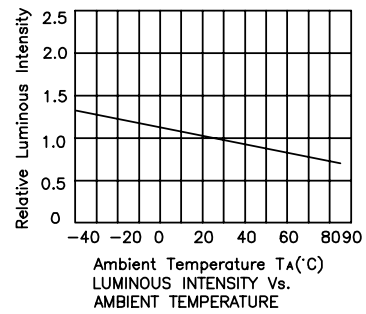
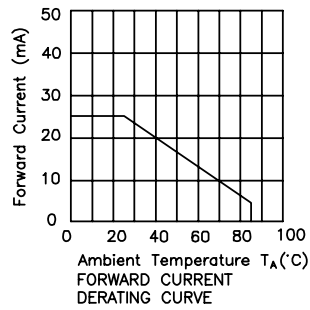
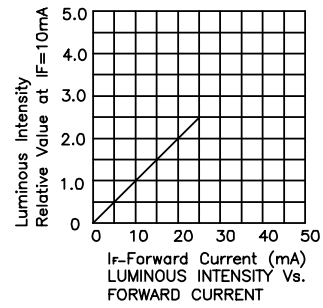
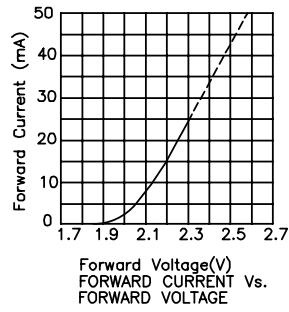
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



**DC7G3HWA**  
**Green**

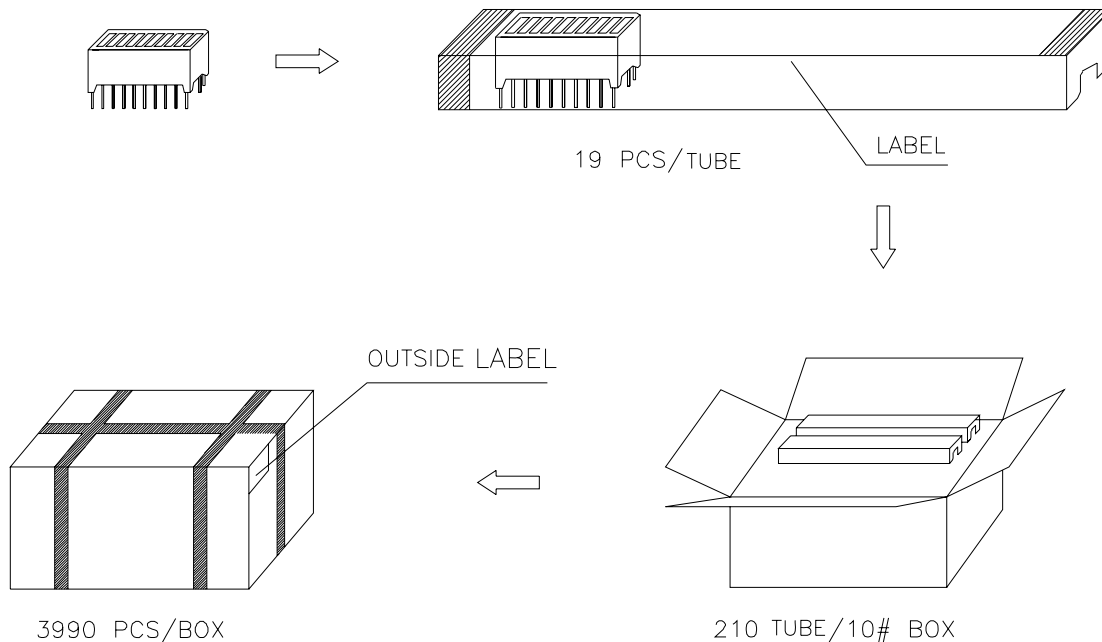


## Bright Red

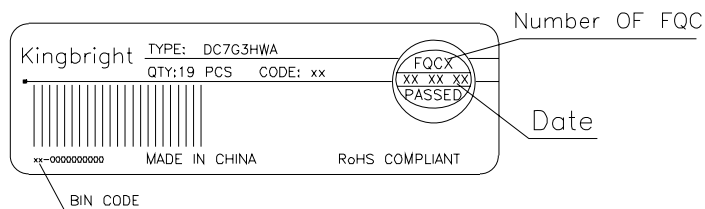


## PACKING & LABEL SPECIFICATIONS

## DC7G3HWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

