

DC7G3HWA

GREEN/BRIGHT RED

Features

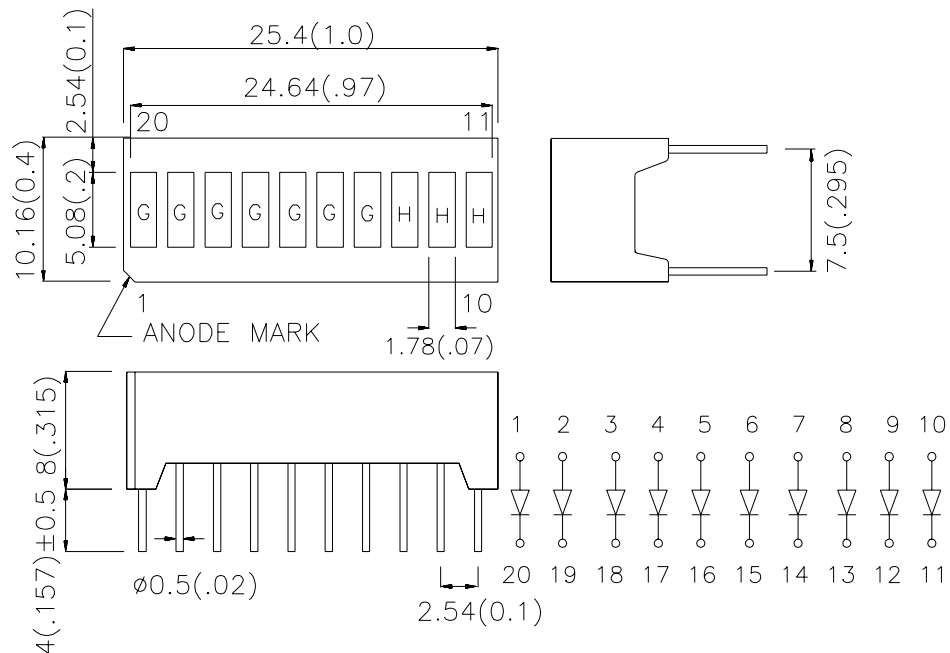
- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- STANDARD : GRAY FACE, WHITE SEGMENT.

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 ± 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

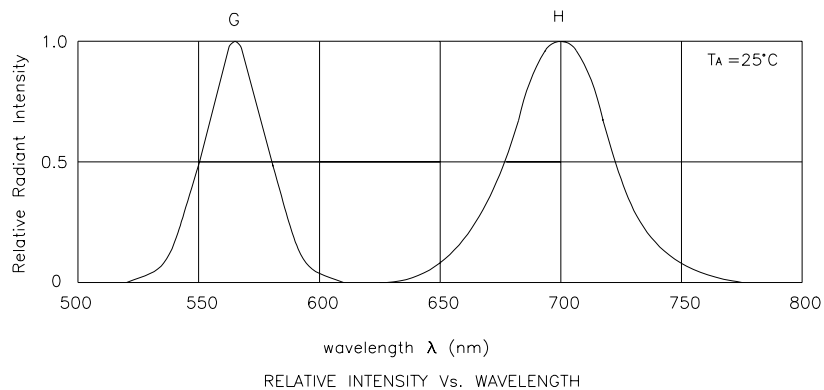
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green Bright Red	565 700		nm	I _F =20mA
λ_D	Dominant Wavelength	Green Bright Red	568 660		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green Bright Red	30 45		nm	I _F =20mA
C	Capacitance	Green Bright Red	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

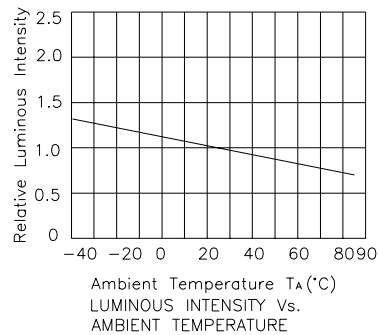
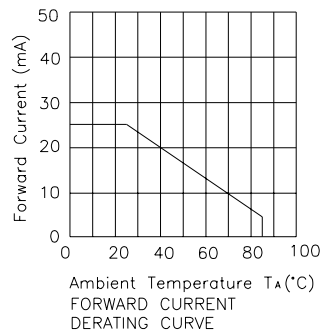
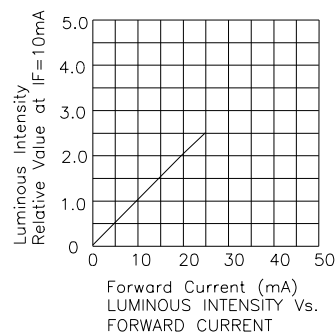
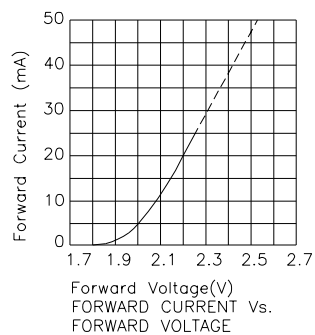
Parameter	Green	Bright Red	Units
Power dissipation	105	120	mW
DC Forward Current	25	25	mA
Peak Forward Current [1]	140	130	mA
Reverse Voltage	5	5	V
Operating/Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes:

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



DC7G3HWA Green



Bright Red

