

DC-7G3EWA

GREEN
HIGH EFFICIENCY RED

Features

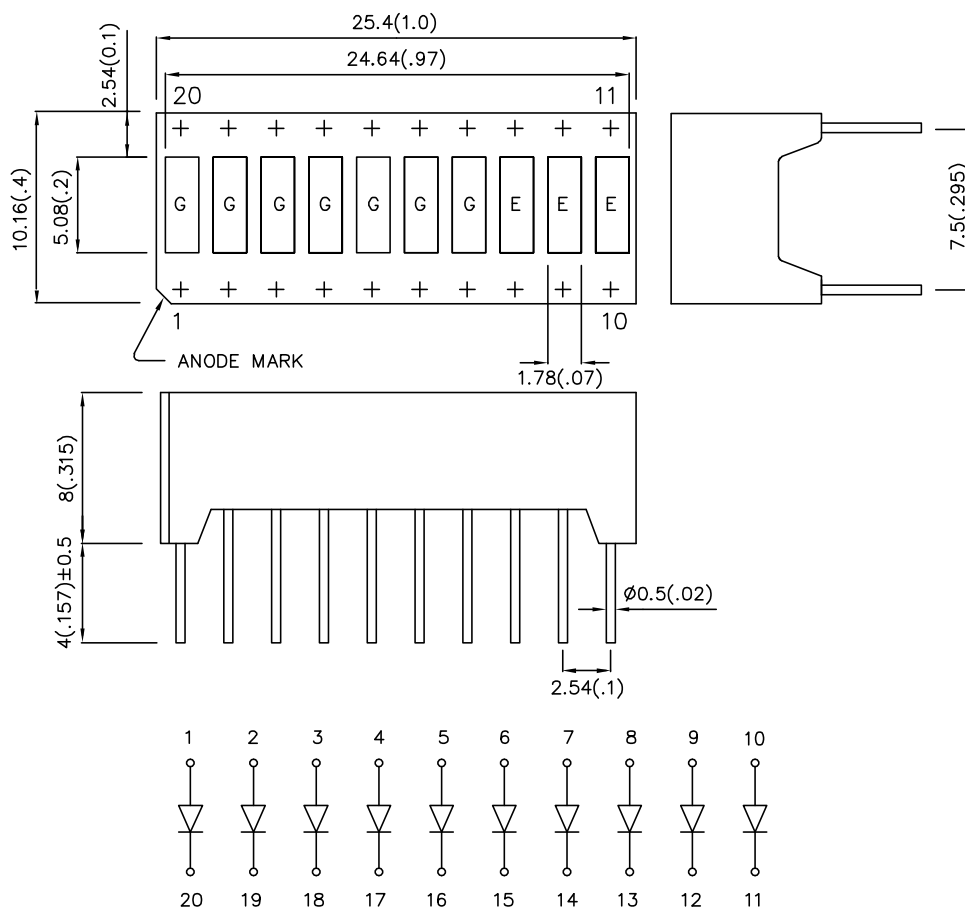
- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- STANDARD : GRAY FACE, WHITE SEGMENT.

Description

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

The High Efficiency Red source color devices are made With Gallium Arsenide Phosphide on Gallium Phosphide Orange 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) @ 10mA		Description
			Min.	Typ.	
DC-7G3EWA	GREEN (GaP)	WHITE DIFFUSED	3000	9500	10 Segments Bargraph-Display 7 x Green 3 x High Efficiency Red
	HIGH EFFICIENCY RED (GaAsP/GaP)		2200	9000	

Electrical / Optical Characteristics at TA=25°C

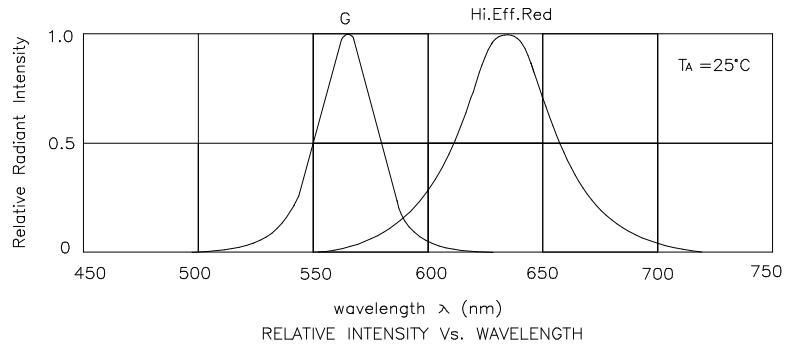
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green High Efficiency Red	565 627		nm	IF=20mA
λ_D	Dominate Wavelength	Green High Efficiency Red	568 625		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green High Efficiency Red	30 45		nm	IF=20mA
C	Capacitance	Green High Efficiency Red	15 15		pF	VF=0V;f=1MHz
VF	Forward Voltage	Green High Efficiency Red	2.2 2.0	2.5 2.5	V	IF=20mA
IR	Reverse Current	All		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

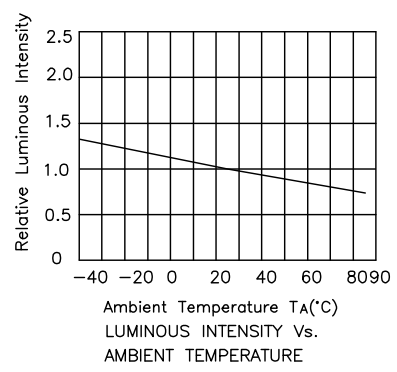
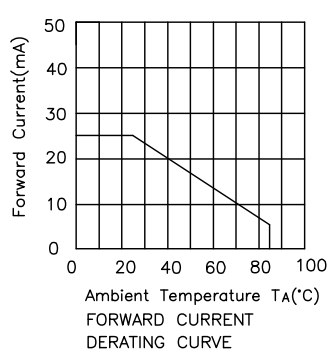
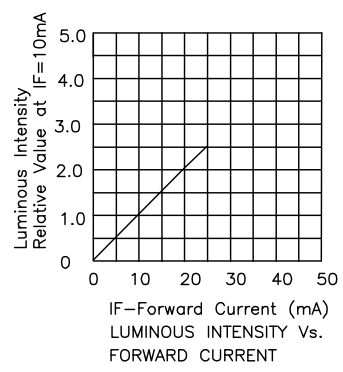
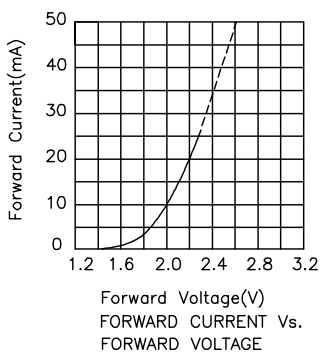
Parameter	Green	High Efficiency Red	Units
Power dissipation	105	105	mW
DC Forward Current	25	30	mA
Peak Forward Current [1]	140	160	mA
Reverse Voltage	5		V
Operating/storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 5 Seconds		

Notes:

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



DC-7G3EWA
Green



High Efficiency Red

