Kingbright®

20mm (0.8INCH) DUAL DIGIT NUMERIC DISPLAYS

DA08-11

DC08-11

Features

- •0.8 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- •EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- •TWO DIGIT PACKAGE SIMPLIFIES ALIGNMENTS & ASSEMBLY.
- •I.C. COMPATIBLE.
- •CATEGORIZED FOR LUMINOUS INTENSITY,
- YELLOW AND GREEN CATEGORIZED FOR COLOR.
- •MECHANICALLY RUGGED.
- •STANDARD : GRAY FACE, WHITE SEGMENT.

Description

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

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

The High Efficiency Red source color devices

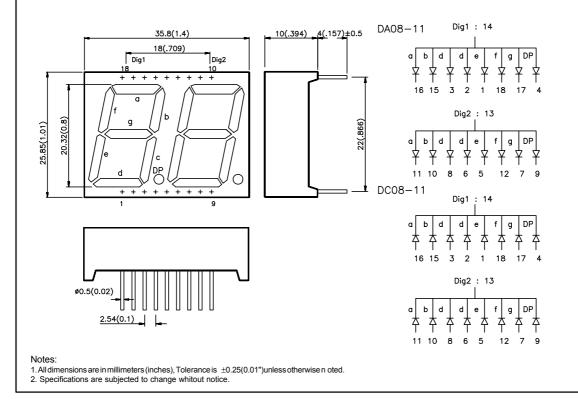
are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions

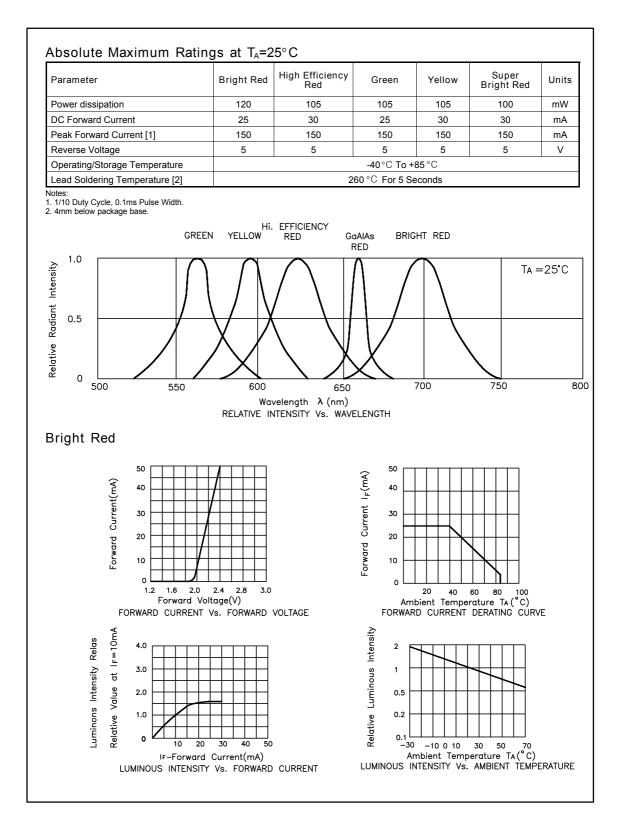
Internal Circuit Diagram



Part No.	Dice	lv (ucd) @ 10 mA			
		Min.	Max.	Description	
DA08-11HWA		360	1400	Common Anode, Rt. Hand Decimal	
DC08-11HWA	BRIGHT RED (GaP)			Common Cathode Rt. Hand Decimal	
DA08-11EWA		2200	9000	Common Anode, Rt. Hand Decimal	
DC08-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode Rt. Hand Decimal	
DA08-11GWA		1400	3600	Common Anode, Rt. Hand Decimal	
DC08-11GWA	GREEN (GaP)			Common Cathode Rt. Hand Decimal	
DA08-11YWA		1400	3600	Common Anode, Rt. Hand Decimal	
DC08-11YWA	YELLOW (GaAsP/GaP)			Common Cathode Rt. Hand Decimal	
DA08-11SRWA		0000		Common Anode, Rt. Hand Decimal	
DC08-11SRWA	SUPER BRIGHT RED (GaAlAs)	9000	21000	Common Cathode Rt. Hand Decimal	

Electrical / Optical Characteristics at $T_{\!A}{=}25^{\circ}C$

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Bright Red High Efficiency Red Green Yellow Super Bright Red	700 625 565 590 660		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	Bright Red High Efficiency Red Green Yellow Super Bright Red	45 45 30 35 20		nm	IF=20mA
С	Capacitance	Bright Red High Efficiency Red Green Yellow Super Bright Red	40 12 45 10 95		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Bright Red High Efficiency Red Green Yellow Super Bright Red	2.0 2.0 2.2 2.1 1.85	2.5 2.5 2.5 2.5 2.5 2.5	v	IF=20mA
I _R	Reverse Current	All	10		uA	VR = 5V



7-D08-3

