

7mm (0.3INCH) DUAL DIGIT **NUMERIC DISPLAYS**

DA03-11

DC03-11

Features

- •0.3 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.

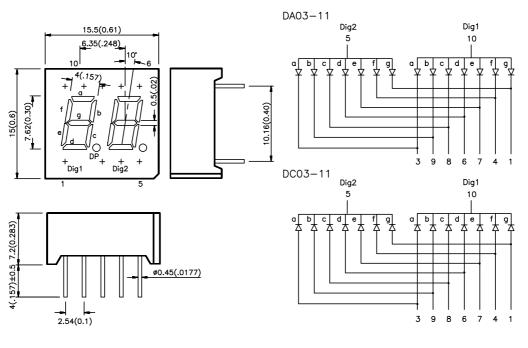
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

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

Interal Circuit Diagram



- 1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted 2. Specifications are subjected to change whitout notice.

Selection Guide

Part No.	Dice	lv (ucd) @ 10 mA		- Description	
		Min.	Max.	Description	
DA03-11HWA	PRICULT PED (Cop)	240	900	Common Anode	
DC03-11HWA	BRIGHT RED (GaP)			Common Cathode	
DA03-11EWA	LUCULEEFICIENCY DED (C-A-D(C-D)	2200	5600	Common Anode	
DC03-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode	
DA03-11GWA	ODEEN (O-D)	2200	5600	Common Anode	
DC03-11GWA	GREEN (GaP)			Common Cathode	
DA03-11YWA	VELLOW (Q. A. P(Q. P)	2200	5600	Common Anode	
DC03-11YWA	YELLOW (GaAsP/GaP)			Common Cathode	
DA03-11SRWA	CURED DRIGHT DED (C-AIA-)	3600	14000	Common Anode	
DC03-11SRWA	SUPER BRIGHT RED (GaAlAs)			Common Cathode	

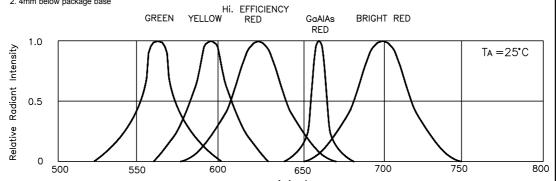
Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Bright Red H igh 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	

Absolute Maximum Ratings at T_A=25°C

Parameter	Bright Red	High Efficiency Red	Green	Yellow	Super Bright Red	Units			
Power dissipation	120	105	105	105	100	mW			
DC Forward Current	25	30	25	30	30	mA			
Peak Forward Current [1]	150	150	150	150	150	mA			
Reverse Voltage	5	5	5	5	5	V			
Operating/Storage Temperature	-40°C To +85°C								
Lead Soldering Temperature [2]		260 °C For 5 Seconds							

Notes:
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base



Wavelength λ (nm) RELATIVE INTENSITY Vs. WAVELENGTH

Bright Red

