

7mm (0.3INCH) DUAL DIGIT NUMERIC DISPLAYS

DA03-11

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.

DC03-11

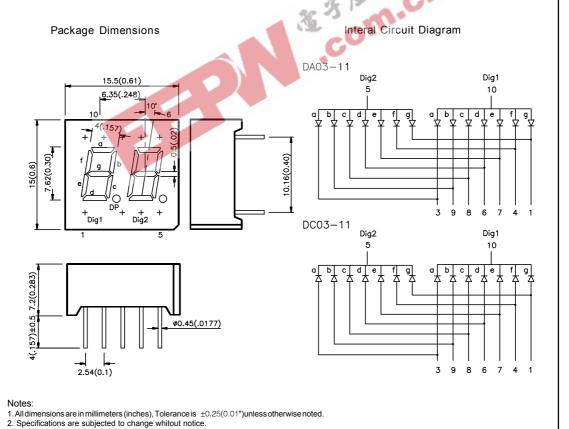
The Green source color devices are made with Gallium

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.



Selection Guide

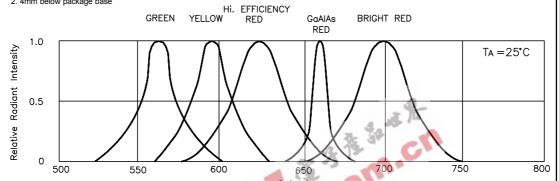
Part No.	Dice	lv (ucd) @ 10 mA		Description	
		Min.	Max.	Description	
DA03-11HWA	PRICULT PED (Cop)	240	900	Common Anode	
DC03-11HWA	BRIGHT RED (GaP)			Common Cathode	
DA03-11EWA	LIIOU EEEIOENOV BED (O. A. D(O. D)	2200	5600	Common Anode	
DC03-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode	
DA03-11GWA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

		CLIDED DDICLIT DED (CAAIAA)		3600	14000					
DC03-11SRWA		SUPER BRIGHT RED (GaAlAs)				Common Cathode				
lectrical	/ Opti	ical Chara	Device Bright Red High Efficiency Red	°C	37	W.	S. C.			
Symbol	Pa	rameter	Device	Ty	yp.	Max.	Units	Test Condition		
λpeak	Peak	Wavelength	Bright Red H igh Efficiency Red Green Yellow Super Bright Red	5	00 25 65 90 60		nm	IF=20mA		
Δλ1/2		ectral Line lalfwidth	Bright Red High Efficiency Red Green Yellow Super Bright Red	3	15 15 30 35 20		nm	IF=20mA		
С	Ca	pacitance	Bright Red High Efficiency Red Green Yellow Super Bright Red	1	10 12 15 10 95		pF	VF=0V;f=1MHz		
V _F	Forw	ard Voltage	Bright Red High Efficiency Red Green Yellow Super Bright Red	2 2 2	2.0 2.0 2.2 2.1 85	2.5 2.5 2.5 2.5 2.5 2.5	V	IF=20mA		
I _R	Reve	rse Current	All	1	10		uA	VR = 5V		

Absolute Maximum Ratings at T_A=25°C

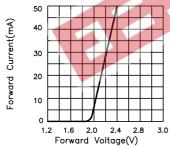
Parameter	Bright Red	High Efficiency Red	Green	Yellow	Super Bright Red	Units			
Power dissipation	120	105	105	105	100	mW			
DC Forward Current	25	30	25	30	30	mA			
Peak Forward Current [1]	150	150	150	150	150	mA			
Reverse Voltage	5	5	5	5	5	V			
Operating/Storage Temperature		-40°C To +85°C							
Lead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

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

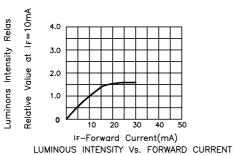


Wavelength λ (nm) RELATIVE INTENSITY Vs. WAVELENGTH

Bright Red



FORWARD CURRENT Vs. FORWARD VOLTAGE



Forward Current I_F(mA) 30 20 10 20 40 60 80 100
Ambient Temperature Ta (°C)
FORWARD CURRENT DERATING CURVE

