

EN: This Datasheet is presented by the manufacturer.

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45.7mm (1.8INCH) ARROWS INDICATOR DISPLAY

AA18-11 AC18-11

Features

- 1 1.8 INCH ARROW HEIGHT.
- I LOW CURRENT OPERATION.
- I EXCELLENT CHARACTER APPEARANCE.
- I EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I I.C. COMPATIBLE.
- I CATEGORIZED FOR LUMINOUS INTENSITY, YELLOW Phosphide Orange Light Emitting Diode.

 AND GREEN CATEGORIZED FOR COLOR. The Yellow source color devices are ma
- I MECHNICALLY RUGGED.
- I 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.

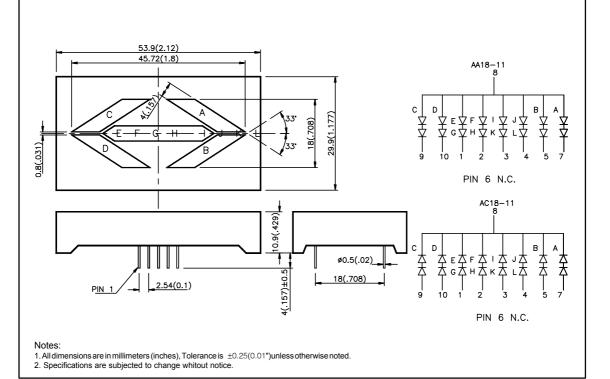
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

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



Selection Guide

Part No.	Dice	lv (ucd) @ 10 mA		5	
		Min.	Max.	Description	
AA08-11HWA	PRICULT PED (Cop)	1800	2900	Common Anode	
AC18-11HWA	BRIGHT RED (GaP)			Common Cathode	
AA18-11EWA	LUCLI FEFICIENCY DED (CoAcD/CoD)	10250	12750	Common Anode	
AC18-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode	
AA18-11GWA	CDEEN (CaD)	14000	22000	Common Anode	
AC18-11GWA	GREEN (GaP)			Common Cathode	
AA18-11YWA	VELLOW (CoAsD/CoD)	6300	14000	Common Anode	
AC18-11YWA	YELLOW (GaAsP/GaP)			Common Cathode	
AA18-11SRWA	CURER PRIOUT RED (COAIAC)	31000	41000	Common Anode	
AC018-11SRWA	SUPER BRIGHT RED (GaAlAs)			Common Cathode	

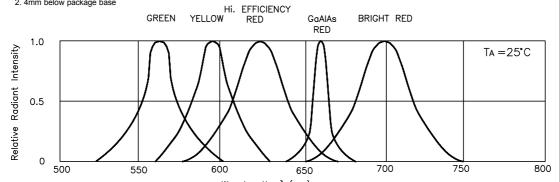
Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Тур. Мах.		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	V	IF=20mA	
I _R	Reverse Current	All	10		uA	VR = 5V	

Absolute Maximum Ratings at T_A=25°C

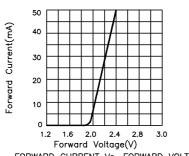
Parameter	Bright Red	High Efficiency Red	Green	Yellow	Super Bright Red	Units		
Power dissipation	120	105	105	105	100	mW		
DC Forward Current	25	30	25	30	30	mA		
Peak Forward Current [1]	150	150	150	150	150	mA		
Reverse Voltage	5	5	5	5	5	V		
Operating/Storage Temperature	-40 To +85							
Lead Soldering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

