Kingbright®

8mm (0.32INCH) SINGLE DIGIT NUMERIC DISPLAYS

SA32-11

SC32-11

Features

- •0.32 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- •EASY MOUNTING ON P.C. BOARDS OR SOCKETS. •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.

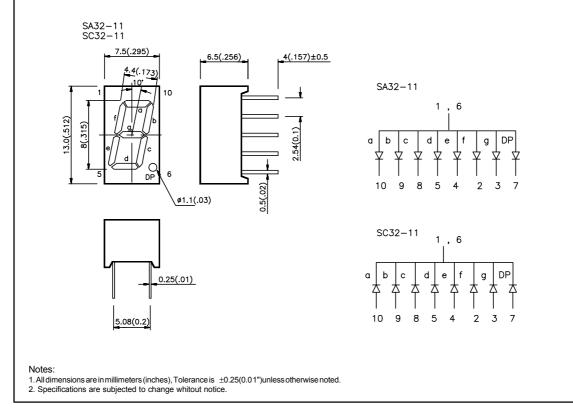
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

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.

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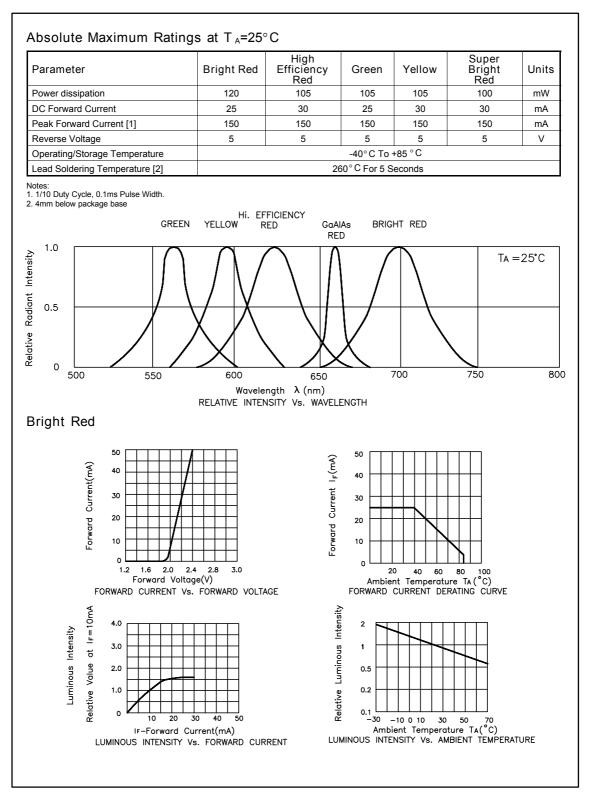
Package Dimensions Internal Circuit Diagram



Part No.	Dice	lv (ucd) @ 10 mA		Description	
		Min.	Max.	- Description	
SA32-11HWA		240	900	Common Anode, Rt. Hand Decimal	
SC32-11HWA	BRIGHT RED (GaP)			Common Cathode, Rt. Hand Decimal	
SA32-11EWA		900	3600	Common Anode, Rt. Hand Decimal	
SC32-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode, Rt. Hand Decimal	
SA32-11GWA		900	3600	Common Anode, Rt. Hand Decimal	
SC32-11GWA	GREEN (GaP)			Common Cathode, Rt. Hand Decimal	
SA32-11YWA		900	3600	Common Anode, Rt. Hand Decimal	
SC32-11YWA	YELLOW (GaAsP/GaP)			Common Cathode, Rt. Hand Decimal	
SA32-11SRWA			1 1000	Common Anode, Rt. Hand Decimal	
SC32-11SRWA	SUPER BRIGHT RED (GaAlAs)	5600	14000	Common Cathode, Rt. Hand Decimal	

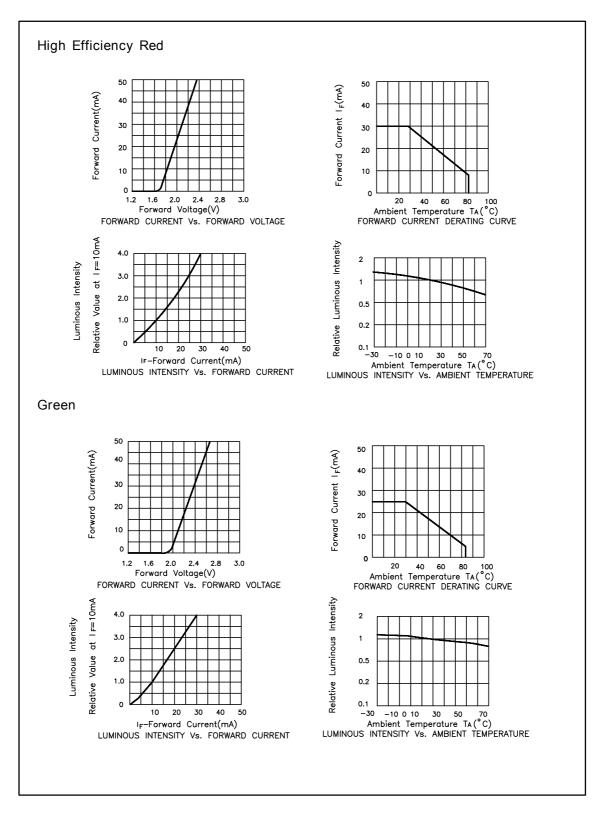
Electrical / Optical Characteristics at T $_{\text{A}}\text{=}25^{\circ}\text{C}$

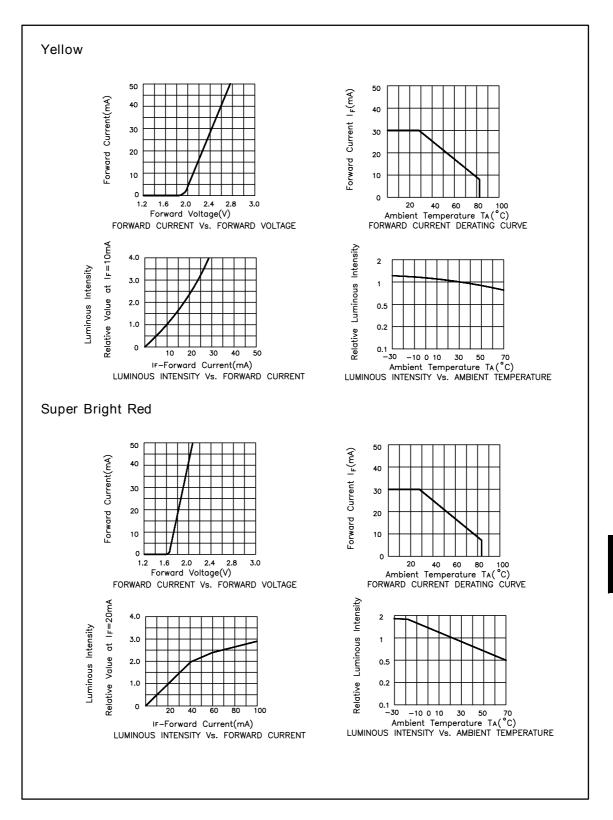
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Bright Red High Efficiency Red Green Yellow Super Bright Red	700 625 565 590 660		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	Bright Red High Efficiency Red Green Yellow Super Bright Red	45 45 30 35 20		nm	IF=20mA
С	Capacitance	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



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