Kingbright®

13mm (0.52INCH) SINGLE DIGIT NUMERIC DISPLAYS

SA52-11

SC52-11

Features

- •0.52 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.

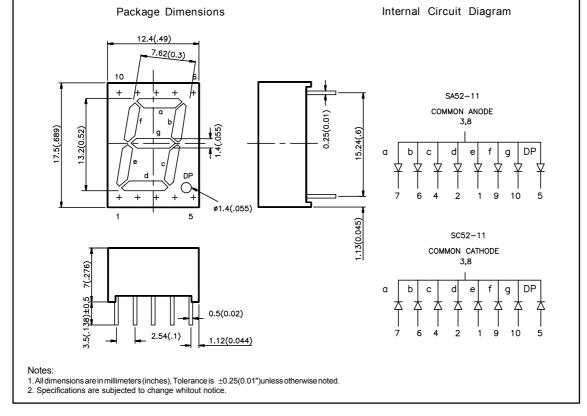
•STANDARD : GRAY FACE, WHITE SEGMENT.

Description

The Red source color device are made with Gallium Arsendide Phosphide Red Light Emitting Diode. 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.

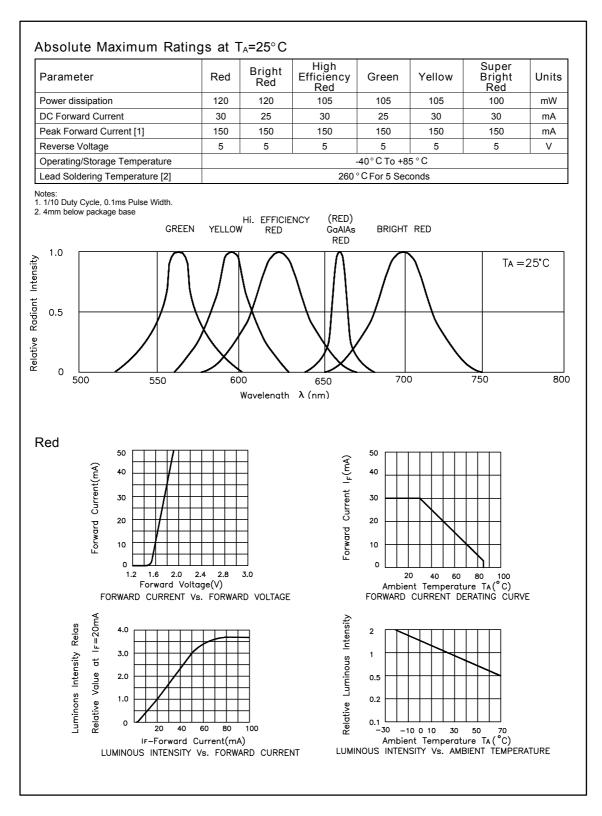
The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.



Part No.	Dice	lv (ucd) @ 10 mA		Description	
		Min.	Max.	Description	
SA52-11RWA		240	560	Common Anode, Rt Hand Decimal	
SC52-11RWA	RED (GaAsP)			Common Cathode, Rt. Hand Decimal	
SA52-11HWA		900	2200	Common Anode, Rt Hand Decimal	
SC52-11HWA	BRIGHT RED (GaP)			Common Cathode, Rt. Hand Decimal	
SA52-11EWA		2200	17000	Common Anode, Rt Hand Decimal	
SC52-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode, Rt. Hand Decimal	
SA52-11GWA		5600	5600	Common Anode, Rt Hand Decimal	
SC52-11GWA	GREEN (GaP)			Common Cathode, Rt. Hand Decimal	
SA52-11YWA		2200	5600	Common Anode, Rt Hand Decimal	
SC52-11YWA				Common Cathode, Rt. Hand Decimal	
SA52-11SRWA				Common Anode, Rt Hand Decimal	
SC52-11SRWA	SUPER BRIGHT RED (GaAlAs)	5600	21000	Common Cathode, Rt. Hand Decimal	

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

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Red Bright Red High Efficiency Red Green Yellow Super Bright Red	660 700 625 565 590 660		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	Red Bright Red High Efficiency Red Green Yellow Super Bright Red	20 45 45 30 35 20		nm	IF=20mA
С	Capacitance	Red Bright Red High Efficiency Red Green Yellow Super Bright Red	40 40 12 45 10 95		pF	VF=0V;f=1MHz
VF	Forward Voltage	Red Bright Red High Efficiency Red Green Yellow Super Bright Red	1.7 2.0 2.0 2.2 2.1 1.85	2.1 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-S52-3

