Kingbright®

25mm (1.0INCH) SINGLE DIGIT NUMERIC DISPLAYS

SC10-11 SC10-21

Features Description The Bright Red source color devices are made with Gallium •1.0 INCH DIGIT HEIGHT. Phosphide Red Light Emitting Diode. •LOW CURRENT OPERATION. The Green source color devices are made with Gallium •EXCELLENT CHARACTER APPEARANCE. Phosphide Green Light Emitting Diode. •HIGH LIGHT OUTPUT. The High Efficiency Red source color devices •EASY MOUNTING ON P.C. BOARDS OR SOCKETS. are made with Gallium Arsenide Phosphide on Gallium •I.C. COMPATIBLE. Phosphide Orange Light Emitting Diode. •CATEGORIZED FOR LUMINOUS INTENSITY, The Yellow source color devices are made with Gallium YELLOW AND GREEN CATEGORIZED FOR COLOR. Arsenide Phosphide on Gallium Phosphide Yellow Light •MECHANICALLY RUGGED. Emitting Diode. •STANARD : GRAY FACE, WHITE SEGMENT. The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode. Package Dimensions & Internal Circuit Diagram SA10-21 , SC10-21 SA10-11 , SC10-11 22.5(.886) 1.8(.88 14 .54(.1) 196) (.0787) 34(1.34) 25.4(1.0) 32.9(1.295) b 26(1.02) 30.4(1. ø0.5(0.02)¹ 3 DF () 3.83(ø2.5(.09 8 4(.157)±0.5 ø2.6(.102 24(.945) 10.5(.413) 8.5(.335)4(.157)±0.5 ø0.5(0.02) [15.24(0.6)] 2.54(.1) 6.92(.272) SA10-21 SC10-21 SA10-11 SC10-11 COMMON ANODE COMMON CATHODE COMMON ANODE COMMON CATHODE 3,6,14 3 , 8 3 8 3,6,14 b ¥ ¥ f ¥ ¥ e A A DP DP d DP d DP a Ь с е a Ь с d f b с b е f g g е g a с g a , A 4 4 4 Į Ţ Ţ ¥ ₹ 4 Å 去子 去子 ₹ 去去 ¥
 <br/ ŧ 去云 Ż Т ¥ 10 13 10 2 13 10 2 8 11 Notes: 1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01") unless otherwise noted. 2. Specifications are subjected to change whitout notice.

SA10-11

SA10-21



Part No.	Dice	lv (ucd) @ 10 mA			
		Min.	Max.	Description	
SA10-11HWA SA10-21HWA		900	2200	Common Anode, Rt. Hand Decimal	
SC10-11HWA SC10-21HWA	BRIGHT RED (GaP)			Common Cathode, Rt. Hand Decimal	
SA10-11EWA SA10-21EWA		5600	14000	Common Anode, Rt. Hand Decimal	
SC10-11EWA SC10-21EWA	HIGH EFFICIENCY RED (GaAsP/GaP)			Common Cathode, Rt. Hand Decimal	
SA10-11GWA SA10-21GWA		9000	22000	Common Anode, Rt. Hand Decimal	
SC10-11GWA SC10-21GWA	GREEN (GaP)			Common Cathode, Rt. Hand Decimal	
SA10-11YWA SA10-21YWA)//=U_0)// (0-A-D(0-D)	3600	9000	Common Anode, Rt. Hand Decimal	
SC10-11YWA SC10-21YWA				Common Cathode, Rt. Hand Decimal	
SA10-11SRWA SA10-21SRWA		14000	04000	Common Anode, Rt. Hand Decimal	
SC10-11SRWA SC10-21SRWA	SUPER BRIGHT RED (GaAlAs)	14000	31000	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	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
VF	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

7-S10-2











