

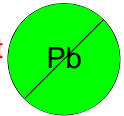
# SSA 149 SERIES 2 TIER 3mm LED ASSEMBLY

The SSA-149 series is a family of display devices using a Black Nylon 6 UL-94VO rated housing to mount one or two 3mm LEDs at right angles to a PCB. The pin out is in line on 0.1" centres .

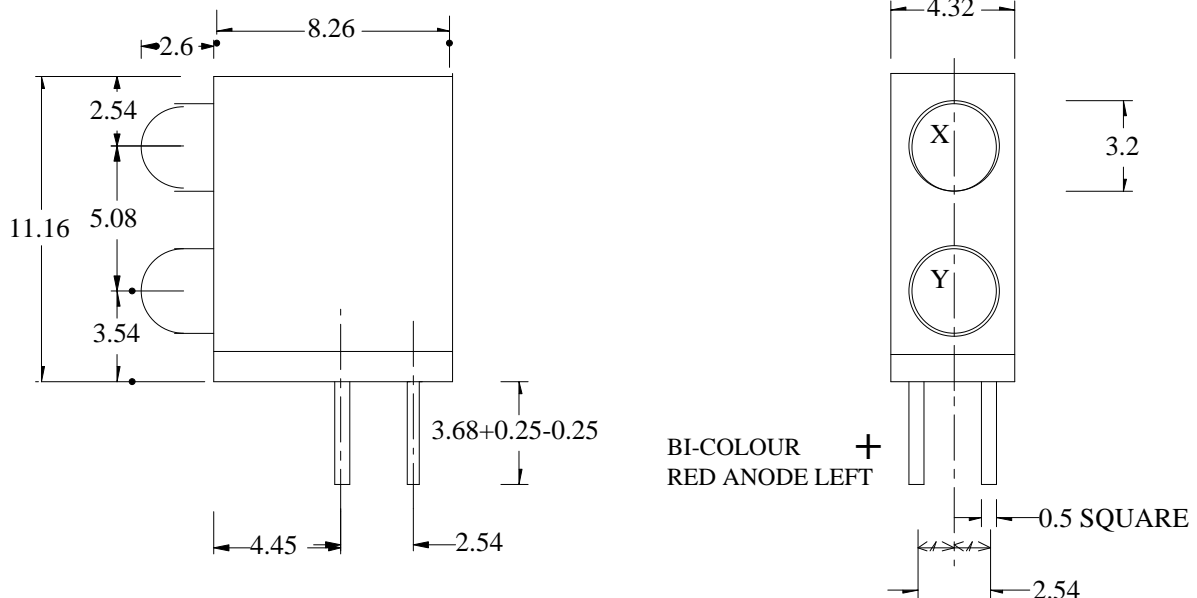
- Accurate alignment of LEDs.
- Unique Baseplate for accurate lead positioning.
- Matched LEDs.
- $\pm 50$  Deg Viewing Angle.
- Bi-Colour, Polarity and 2mA LEDs available.
- Low profile non baseplate version available.
- 9 way assembly SSA149/9



This component is RoHS compliant



## MECHANICAL DATA



**BEDFORD OPTO TECHNOLOGY LTD**  
**1, BIGGAR BUSINESS PARK, BIGGAR, LANARKSHIRE, ML12 6FX**

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**ABSOLUTE MAXIMUM RATINGS** ( $T_A = 25^{\circ}\text{C}$ )**SSA 149**

Parameter	RED GREEN	Red	Green	Yellow	Orange
Forward Current	30mA	15mA	30mA	20mA	30mA
Power Dissipation	100mW	40mW	100mW	60mW	100mW
Reverse Current @ 5V	100 $\mu\text{A}$	10 $\mu\text{A}$	10 $\mu\text{A}$	10 $\mu\text{A}$	10 $\mu\text{A}$
Operating Temperature	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$
Storage Temperature	-40 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
Lead Soldering Temperature for 5sec (2.0mm from Body)	260 $^{\circ}\text{C}$	260 $^{\circ}\text{C}$	260 $^{\circ}\text{C}$	260 $^{\circ}\text{C}$	260 $^{\circ}\text{C}$

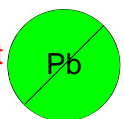
**OPTO ELECTRONIC DATA** ( $T_a = 25^{\circ}\text{C}$ )

COLOUR		Luminous Intensity If = 10mA mcd	Peak Wave-length nm	Viewing Angle Degrees	Forward Voltage If = 20mA volts
RED	min	2.0	-	-	1.7
	typ	4.2	697	50	-
YELLOW	min	7.5	-	-	1.7
	typ	12	585	50	-
GREEN	min	9.0	-	-	1.7
	typ	15	565	50	-
	max	-	-	-	2.8
ORANGE	min	7.5	-	-	1.7
	typ	12	635	50	-
	max	-	-	-	2.8
RED	Min	2.2 @20mA	630	200	2.0
	Typ	4.8 @20mA			2.8
	Max	-			-
GREEN	Min	2.2 @20mA	565	200	2.1
	Typ	4.8 @20mA			2.8
	Max	-			-
BI-COLOUR					

**ORDERING INFORMATION**

Dual LED - SSA149XY    X = Top LED    Y = Bottom LED  
 Indicate colour by using    R = Red    Y = Yellow    G = Green    O=Orange

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