

These components are RoHS compliant



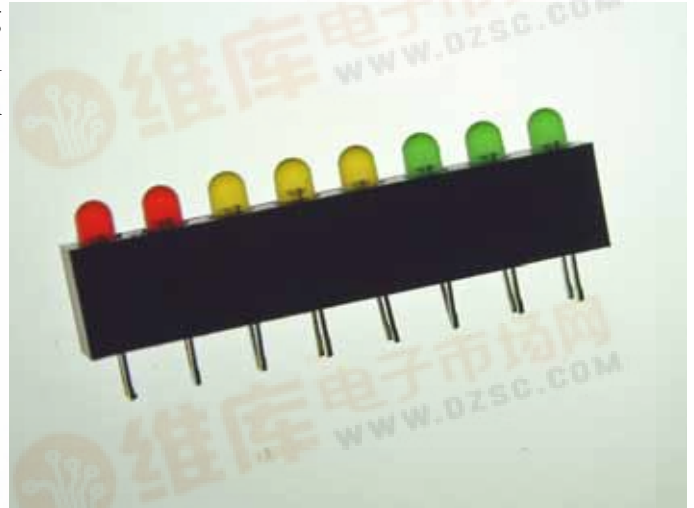
# SSA-370/8

## 3mm LED Linear Array

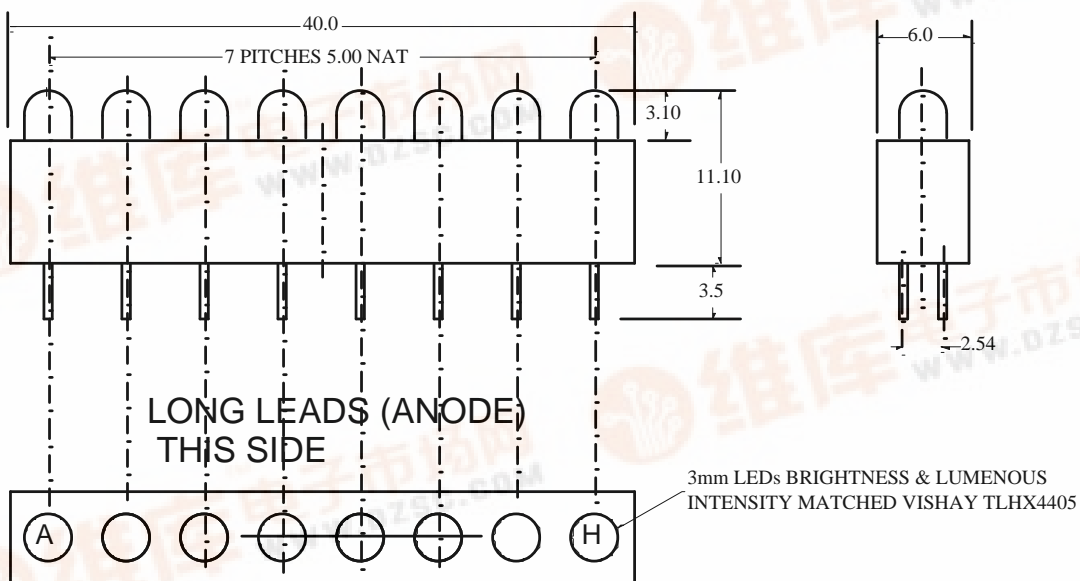
SSA 370/8 is a precision moulded plastic mounting block for T1 size Light Emitting Diodes. LEDs are on a 5mm pitch. Material is black nylon 6 to flammability specification UL-94VO.

### FEATURES

- ◆ Eight channel block, end stackable for longer arrays.
- ◆ +/- 30 deg viewing angle.
- ◆ Will accept T1 infra red emitters or sensors.
- ◆ Small PCB footprint.
- ◆ Less than eight positions available to special order.



### MECHANICAL DATA



TOP VIEW

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

Tel: +44 (0) 1899 221221 Fax: +44 (0) 1899 221009

Website: bot.co.uk E-mail: bill@bot.co.uk



## ABSOLUTE MAXIMUM RATING per LED

**SSA-370/8**

| PARAMETER                         | All colous  | Blue        | Units |
|-----------------------------------|-------------|-------------|-------|
| Reverse Voltage                   | 6           | 5           | V     |
| Forward Current                   | 30          | 20          | mA    |
| Surage Current (t>10us)           | 1           | 0.1         | A     |
| Storage Temperature Range         | -55 to +100 | -40 to +100 | °C    |
| Junction Temperature (Tj)         | 100         | 100         | °C    |
| Total Power Dissipation @ 25 °C   | 100         | 100         | mW    |
| Thremal Resistance Juction to Air | 400         | 400         | K/W   |

## ELECTRICAL CHARACTERISTICS (Tamb=25°C)

| Parameter                        | Unit        | Colour |       |        |       |      |
|----------------------------------|-------------|--------|-------|--------|-------|------|
|                                  |             | Orange | HERed | Yellow | Green | Blue |
| Peak Wavelength $\lambda_p$      | nm          | 605    | 635   | 585    | 565   | 428  |
| Forward Voltage Vf (If = 20mA)   | Volts Max   | 3      | 3     | 3      | 3     | 4.5  |
| Reverse Current Ir (Vr = 6Volts) | $\mu$ A Max | 10     | 10    | 10     | 10    | 5    |
| Luminous Intensity (If = 10mA)   | Mcd min     | 1.6    | 6.3   | 6.3    | 6.3   | 6.3  |
|                                  | Mcd typ     | 4      | 10    | 10     | 10    | 15   |

### Ordering Information

To specify your requirement, please state:-

The combination of LEDs in order SSA-370/8 A through to H

where X = O = All Orange, H = All HERed , Y = All Yellow, G = All Green

For mixed colours specify from left to right . E.g. SSA-370/8 HHGYYGRR

1st Element to 8th Element

Custom part numbers will be issued for these combinations.