

These components are RoHS compliant



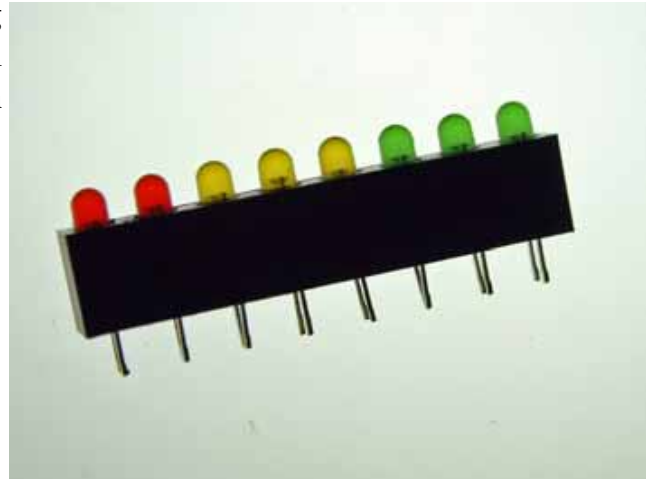
SSA-370/8

## 3mm LED Linear Array

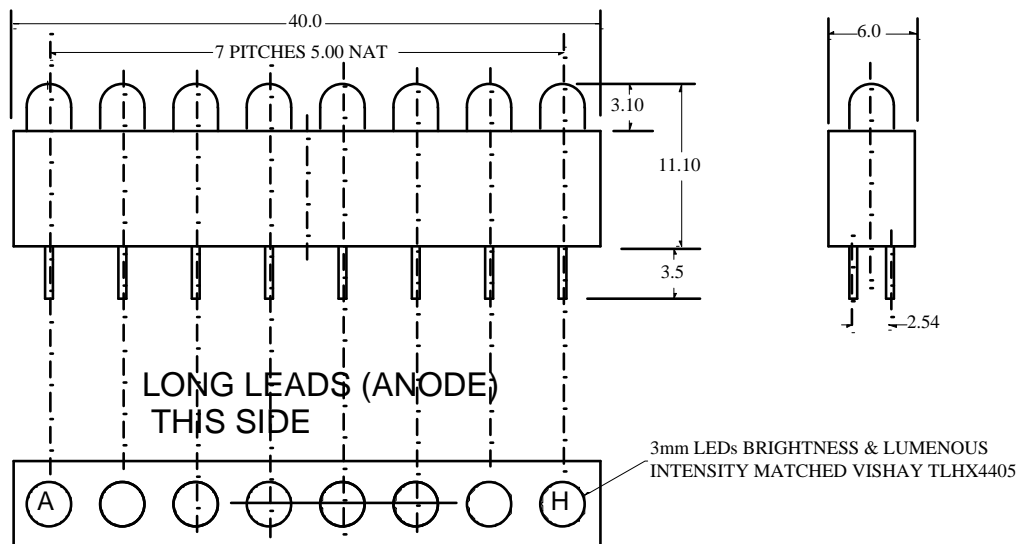
SSA 370/8 is a precision moulded plastic mounting block for T1 size Light Emitting Diodes. LEDs are on a 5mm pitch. Material is black nylon 6 to flammability specification UL-94VO.

### 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,**  
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## ABSOLUTE MAXIMUM RATING per LED

# SSA-370/8

PARAMETER	All colour	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
Thermal Resistance Junction 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.

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