

## 30.4mm X 10.1mm 12 Segment Single Color Light Bar

### Features:

- \*High segment intensity
- \*Wide viewing angle
- \*Range of colors
- \*Black face White segment
- \*RoHS compliant

### Available option:

- \*Alternative face and segment color
- \*Cropped terminal pins
- \*Available emitting color
- \*Low current version

### Electro/Optical Characteristics If=20mA Ta=25°C

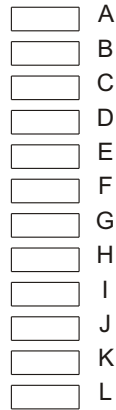
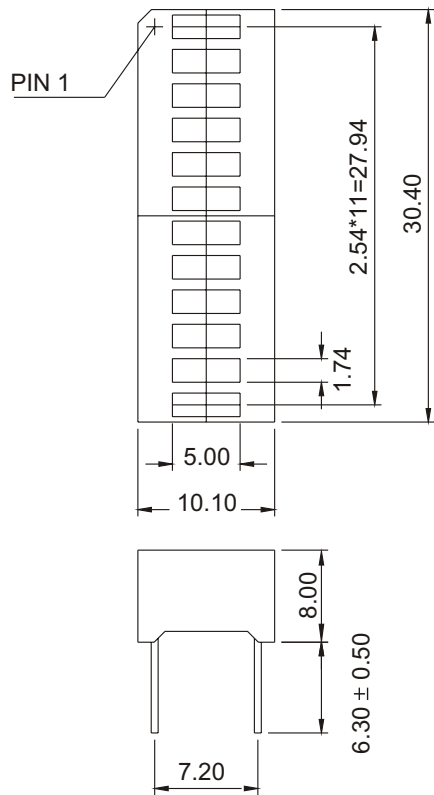
Part Number	Emitting Color	Peak Wavelength	Forward Voltage V <sub>F</sub> /Seg.		Luminous Intensity I <sub>v</sub> /Seg.	
			Typ.	Max.	Min.	Typ.
	GaP/GaP Red	700	2.25	2.50	0.40	0.80
LN-BP012HR	GaAlAs/GaAs SH Hi-Red	660	1.80	2.20	8.00	12.00
LN-BP012SR	GaAlAs/GaAs DH Super Red	660	1.80	2.20	22.00	28.00
LN-BP012O	GaAsP/GaP Orange	632	2.10	2.50	8.00	12.00
LN-BP012Y	GaAsP/GaP Yellow	585	2.10	2.50	4.00	7.00
LN-BP012G	GaP/GaP Green	568	2.20	2.50	7.00	11.00
Units		nm	V		mcd	

### Maximum Ratings Ta=25°C (Derate above 25°C)

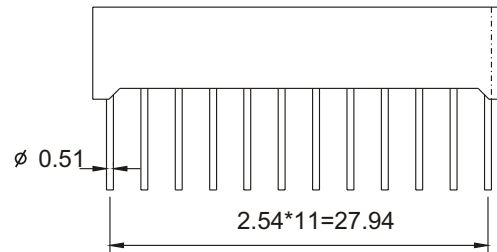
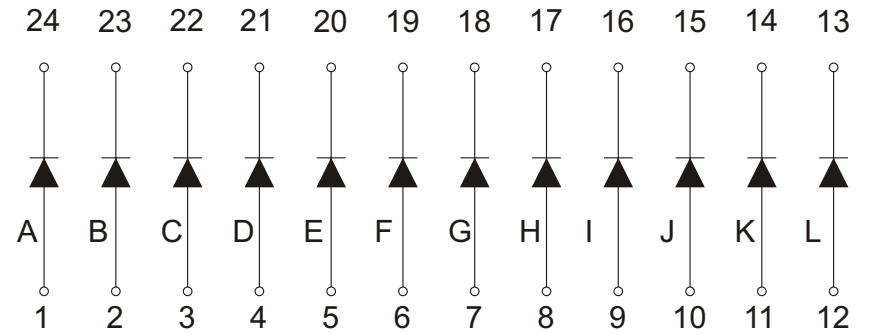
Characteristic	Test Condition	Symbol	HR	SR	O	Y	G	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	50	100	100	100	100	mA
DC Forward Current Per Seg.		I <sub>F</sub>	15	25	25	30	30	mA
Reverse Current Per Seg.	V <sub>R</sub> =5V	I <sub>R</sub>	10	10	10	10	10	μA
Power Dissipation		P <sub>D</sub>	40*12	60*12	60*12	80*12	80*12	mW
Operating Temperature		T <sub>OPR</sub>	-40 to +80					°C
Storage Temperature		T <sub>TSG</sub>	-40 to +85					°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260					°C

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## PACKAGE DIMENSION



## INTERNAL CIRCUIT DIAGRAM



Tolerance  $\pm 0.25$ mm unless stated