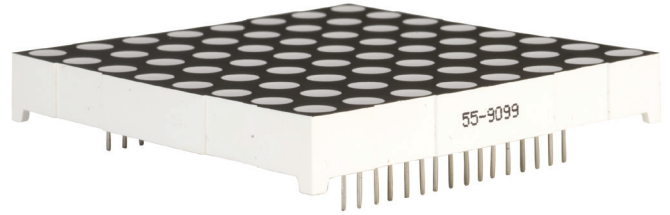


## Features:

- 2.37 Inch Sixty-Four Dot Matrix
- Long lifetime operation
- IC compatible
- Low power dissipation



## Applications

- Counting device
- Clock

Order code	NPN	Type
55-9099	OSL642372-ARGB	Common cathode
55-9132	OSL642372-BRGB	Common anode

## Absolute maximum rating (Ta=25°C)

Item	Symbol	Value			Unit
		R	G	B	
DC forward current	$I_F$	15	10	10	mA
Pulse forward current*	$I_{FP}$	100	100	100	mA
Reverse voltage	$V_R$	5	5	5	V
Power dissipation	$P_D$	39	36	36	mW
Operating temperature	$T_{opr}$	-30 to +70			°C
Storage temperature	$T_{stg}$	-40 to +85			°C
Lead soldering temperature (1.6mm from seating plane)	$T_{sol}$	260°C/5sec			-

\*Pulse width max. 10ms. Duty ratio max. 1/10

## Electrical - Optical characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC forward voltage	$V_{F(R)}$	$I_F = 14mA$	1.8	2.0	2.6	V
	$V_{F(B)}$	$I_F = 7mA$	2.7	2.9	3.4	V
	$V_{F(G)}$	$I_F = 4mA$	2.7	2.9	3.4	V
DC reverse current	$I_R$	$V_R = 5V$	-	-	20	$\mu A$
Dominant wavelength*	$\lambda_{D(Red)}$	$I_F = 14mA$	620	625	630	nm
	$\lambda_{D(Green)}$	$I_F = 7mA$	515	520	530	nm
	$\lambda_{D(Blue)}$	$I_F = 4mA$	465	470	475	nm
Luminous intensity†	$I_V(Red)$	$I_F = 14mA$	-	70	-	mcd
	$I_V(Green)$	$I_F = 7mA$	-	90	-	mcd
	$I_V(Blue)$	$I_F = 4mA$	-	18	-	mcd

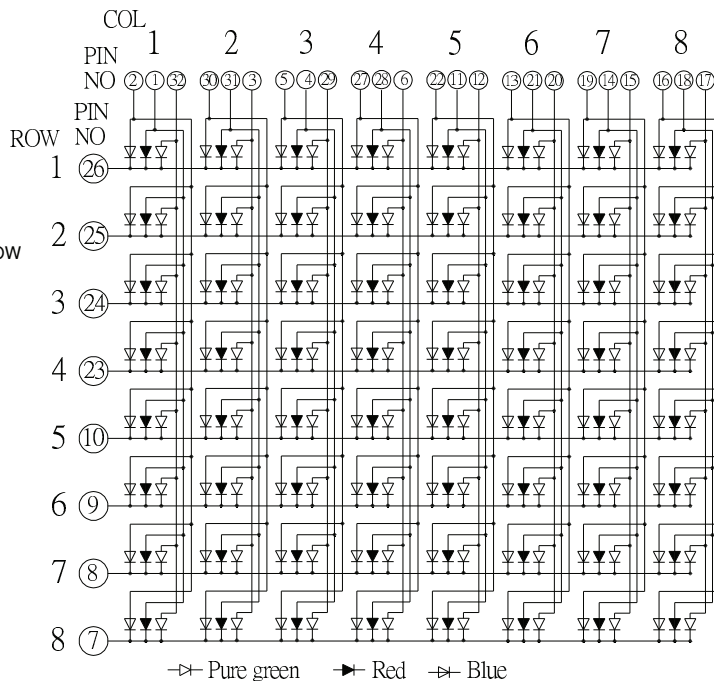
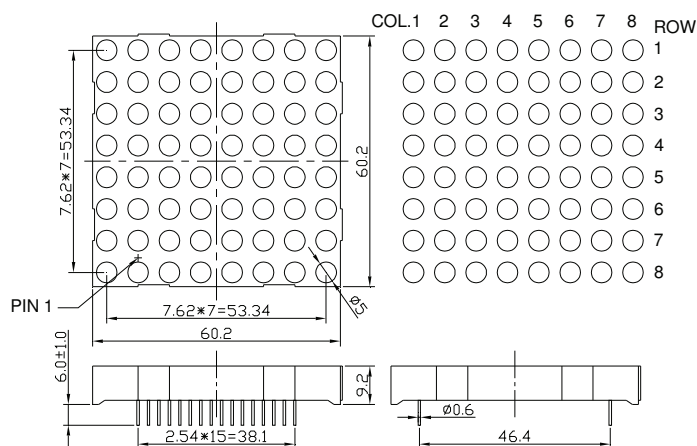
\* Tolerance of dominant wavelength is  $\pm 1nm$   
 † Tolerance of luminous intensity is  $\pm 15\%$

## Package dimensions and pin function:

Order code: **55-9099**

Note:

- 1, Unit : mm (Tolerance: 0.25mm unless otherwise noted)
- 2, The slope angle of any PIN may be 5.0 Max



Order code: **55-9132**

Note:

- 1, Unit : mm (Tolerance: 0.25mm unless otherwise noted)
- 2, The slope angle of any PIN may be 5.0 Max

