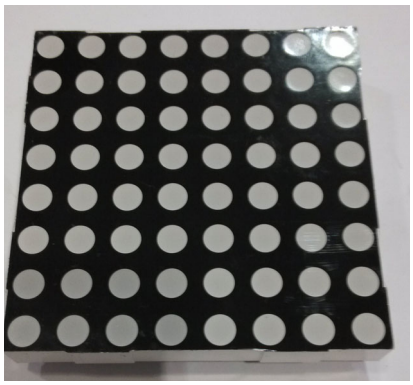
OptoSupply
Light It Up

2.37 Inch Sixty-Four Red & Pure Green & Blue Dot Matrix
OSL642372-ARGB
OSL642372-BRGB

■ Features

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

Photo



■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25℃)

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_t	39	36	36	mW
Operating Temperature	Topr	-30 ~ +70			℃
Storage Temperature	Tstg	-40~ +85			℃
Lead Soldering Temperature(1.6mm from seating plane)	Tsol	260℃/5sec			℃

#Pulse width Max.10ms Duty ratio max 1/10

■ Electrical -Optical Characteristics (Ta=25℃)

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 (G)	I_F=7mA	2.7	2.9	3.4	V
	V_F(B)	I_F=4mA	2.7	2.9	3.4	V
DC Reverse Current	I_R	V_R=5V	-	-	20	μA
Domi. Wavelength*	λ_D(Red)	I_F=14mA	620	625	630	nm
	λ_D(Green)	I_F=7mA	515	520	530	nm
	λ_D(Blue)	I_F=4mA	465	470	475	nm
Luminous Intensity*	Iv(Red)	I_F=14mA	-	70	-	mcd
	Iv(Green)	I_F=7mA	-	90	-	mcd
	Iv(Blue)	I_F=4mA	-	18	-	mcd

*1 Tolerance of measurements of dominant wavelength is±1nm
*2 Tolerance of measurements of luminous intensity is±15%
*3 Tolerance of measurements of forward voltage is±0.1V

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■ Package Dimensions and Pin Function

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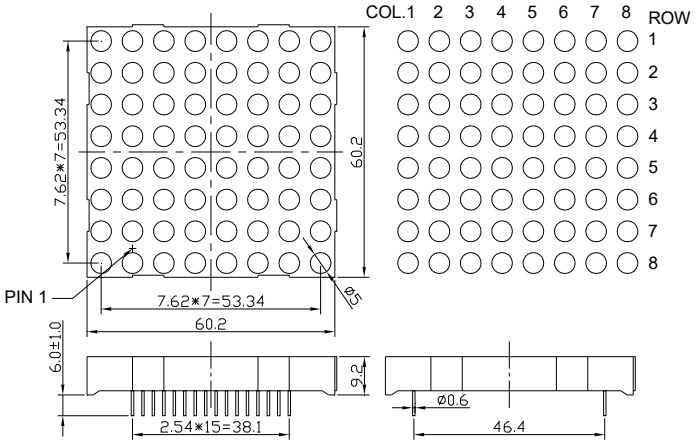
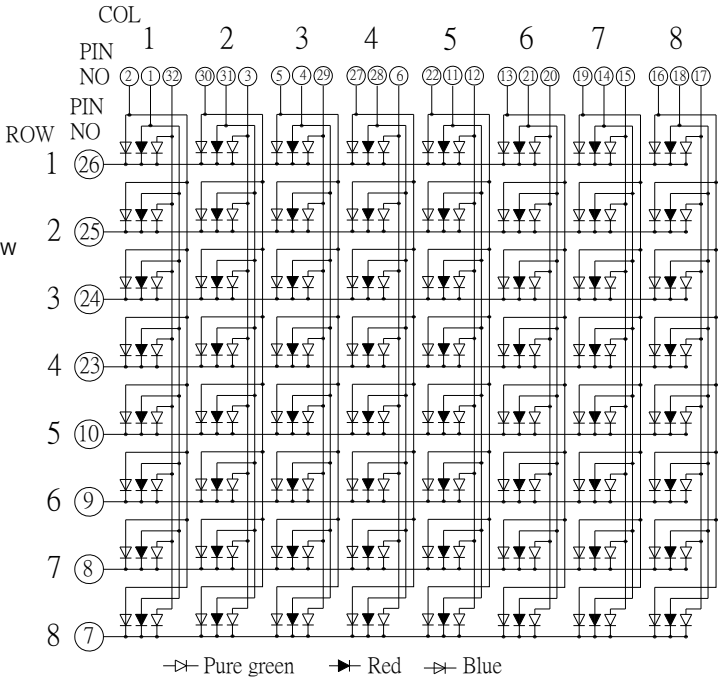
Note:

1,Unit : mm(Tolerance:±0.25mm unless otherwise noted)

2, The slope angle of any PIN may be±5.0°Max





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