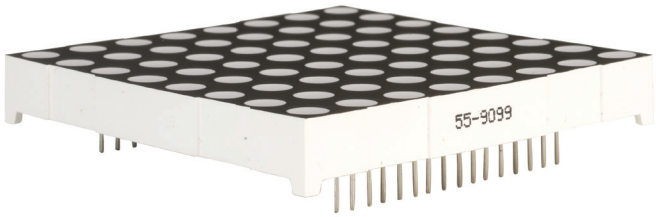
2.37 inch 64 Red & Pure Green & Blue Dot Matrix

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	Topr	–30 to +70			°C
Storage temperature	Tstg	–40 to +85			°C
Lead soldering temperature (1.6mm from seating plane)	Tsol	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	μA
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 ±1nm † Tolerance of luminous intensity is ±15%						

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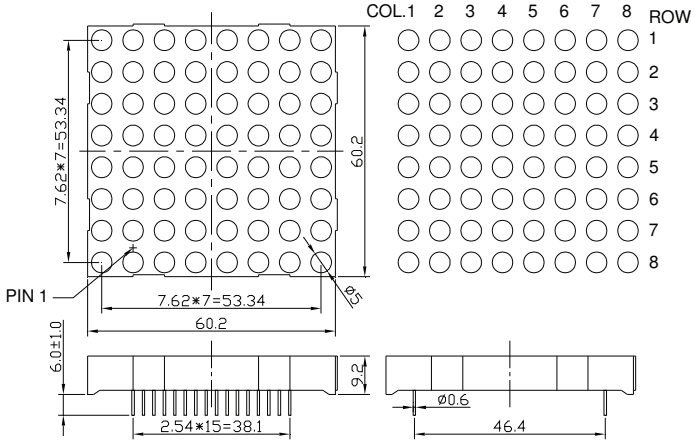
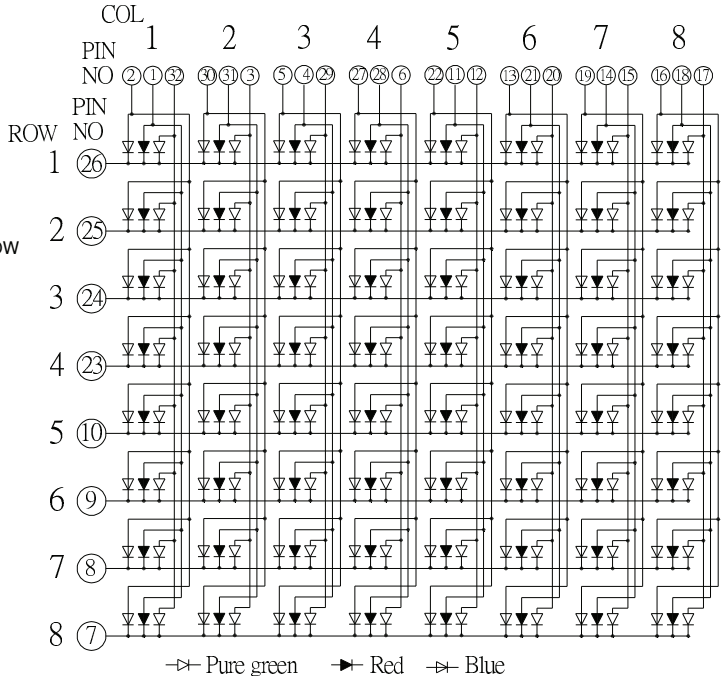
■ Package dimensions and pin function:

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