

■ Features

- 1.5 Inch 64 Dot Matrix
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot

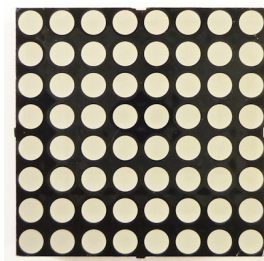
■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		B/PG	YG/Y/R/RA	
DC Forward Current	I _F	20	20	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _t	72	50	mW
Operating Temperature	T _{opr}	-30 ~ +70		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead Soldering Temperature(1.6mm from seating plane)	T _{sol}	260°C/5sec		°C

■ Picture



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

■ Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λD (nm)		
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
				I _F =20mA			V _R =5V	I _F =20mA					
OSL641501-AB(BB)	Blue	B		-	3.3	3.6	20	40	50	80	465	470	475
OSL641501-AG(BG)	Pure Green	G		-	3.3	3.6	20	150	200	300	520	525	530
OSL641501-AYG(BYG)	Yellow Green	YG		-	2.1	2.5	20	10	12	30	565	570	575
OSL641501-AY(BY)	Yellow	Y		-	2.1	2.5	20	50	60	100	585	590	595
OSL641501-AR(BR)	Red	R		-	2.1	2.5	20	15	20	40	625	630	640
OSL641501-ARA(BRA)	High Luminance Red	RA		-	2.1	2.5	20	80	100	150	620	625	630

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of chromaticity coordinate is ±10%

*3 Tolerance of measurements of luminous intensity is ±15%

*4 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions and Pin Function

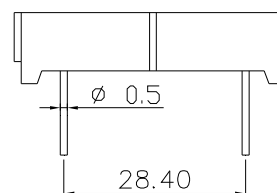
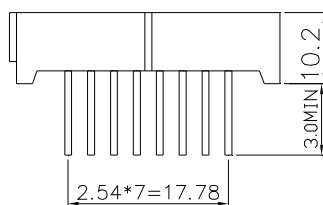
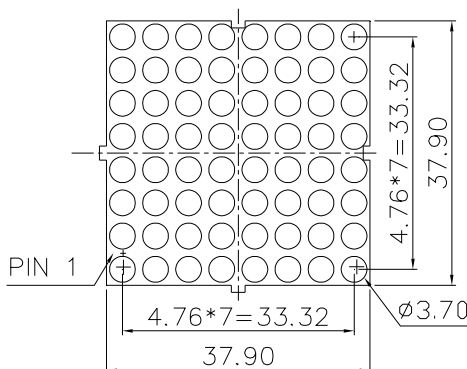
OSL641501-AX

Note:

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

2, The slope angle of any PIN may be $\pm 5.0^\circ$ Max

COL	1	2	3	4	5	6	7	8
PIN NO.	13	3	4	10	6	11	15	16
ROW	PIN NO.	9	14	8	12	1	7	2
1	9							
2	14							
3	8							
4	12							
5	1							
6	7							
7	2							
8	5							



COL	1	2	3	4	5	6	7	8	ROW
	1	2	3	4	5	6	7	8	1
	2	3	4	5	6	7	8	2	2
	3	4	5	6	7	8	3	3	3
	4	5	6	7	8	4	4	4	4
	5	6	7	8	5	5	5	5	5
	6	7	8	6	6	6	6	6	6
	7	8	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8

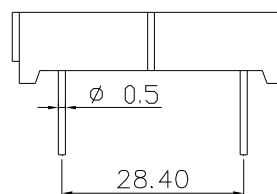
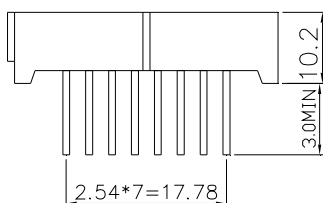
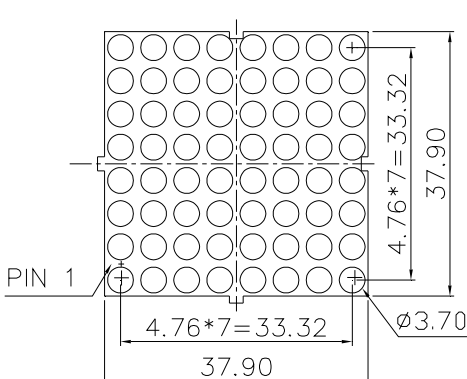
OSL641501-BX

Note:

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

2, The slope angle of any PIN may be $\pm 5.0^\circ$ Max

COL	1	2	3	4	5	6	7	8
PIN NO.	13	3	4	10	6	11	15	16
ROW	PIN NO.	9	14	8	12	1	7	2
1	9							
2	14							
3	8							
4	12							
5	1							
6	7							
7	2							
8	5							



COL	1	2	3	4	5	6	7	8	ROW
	1	2	3	4	5	6	7	8	1
	2	3	4	5	6	7	8	2	2
	3	4	5	6	7	8	3	3	3
	4	5	6	7	8	4	4	4	4
	5	6	7	8	5	5	5	5	5
	6	7	8	6	6	6	6	6	6
	7	8	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8