

■ **Features**

- 0.78 Inch Sixty-Four (8x8) Dot Matrix
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black face & white dot

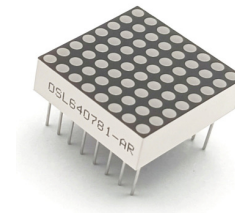
■ **Applications**

- Counting device
- Clock

■ **Absolute Maximum Rating** (Ta=25°C)

Item	Symbol	Value		Unit
		YG/Y/O/R/RA	W/G/B	
DC Forward Current	I <sub>F</sub>	20	20	mA
Pulse Forward Current#	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>t</sub>	50	68	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +70		°C
Storage Temperature	T <sub>stg</sub>	-40~ +85		°C
Lead Soldering Temperature(1.6mm from seating plane)	T <sub>sol</sub>	260°C/5sec		°C

■ **Pictures**



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

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

Part Number	Color		V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			λ <sub>D</sub> (nm)		
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =20mA					
OSL640781-AW(BW)	White	W	-	2.9	3.4	20	-	100	-	CCT:8500-18000K		
OSL640781-AB(BB)	Blue	B	-	2.9	3.4	20	-	50	-	460	470	475
OSL640781-AG(BG)	Pure Green	G	-	2.9	3.4	20	-	200	-	515	525	530
OSL640781-AYG(BYG)	Yellow Green	YG	-	2.1	2.5	20	-	12	-	560	570	575
OSL640781-AY(BY)	Yellow	Y	-	2.1	2.5	20	-	60	-	585	590	595
OSL640781-AO(BO)	Orange	O	-	2.1	2.5	20	-	70	-	600	605	610
OSL640781-AR(BR)	Red	R	-	2.1	2.5	20	-	20	-	625	630	640
OSL640781-ARA(BRA)	High Luminance Red	RA	-	2.1	2.5	20	-	100	-	620	625	630

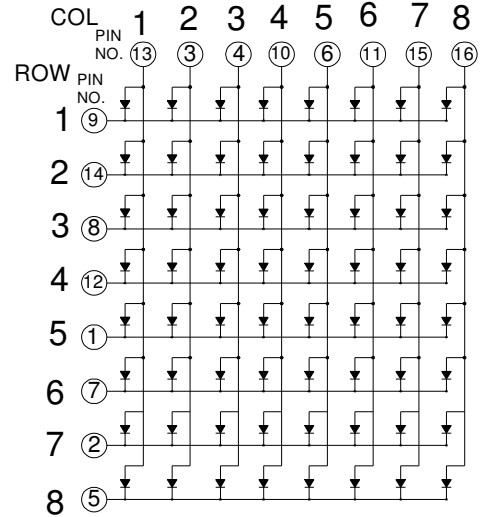
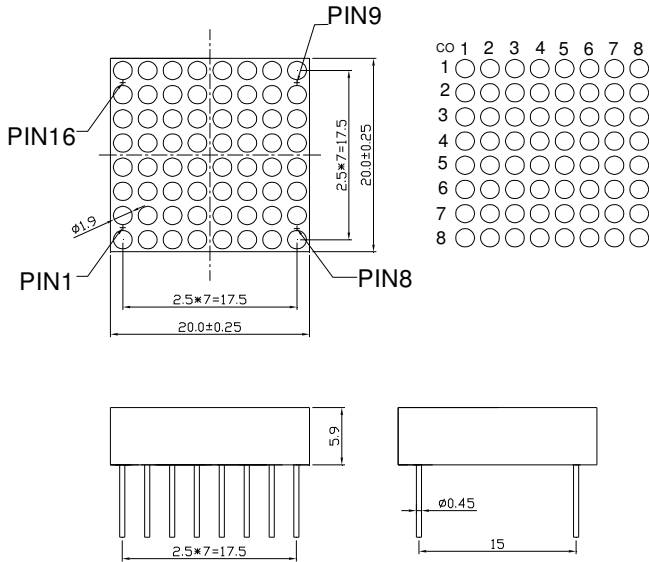
\*1 Tolerance of measurements of dominant wavelength is ±1nm

\*2 Tolerance of measurements of luminous intensity is ±15%

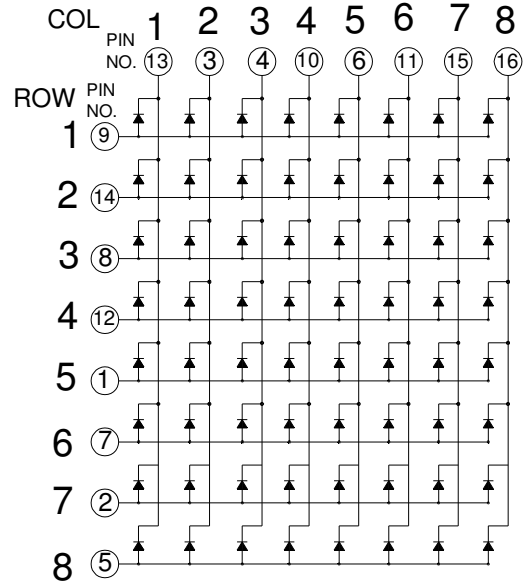
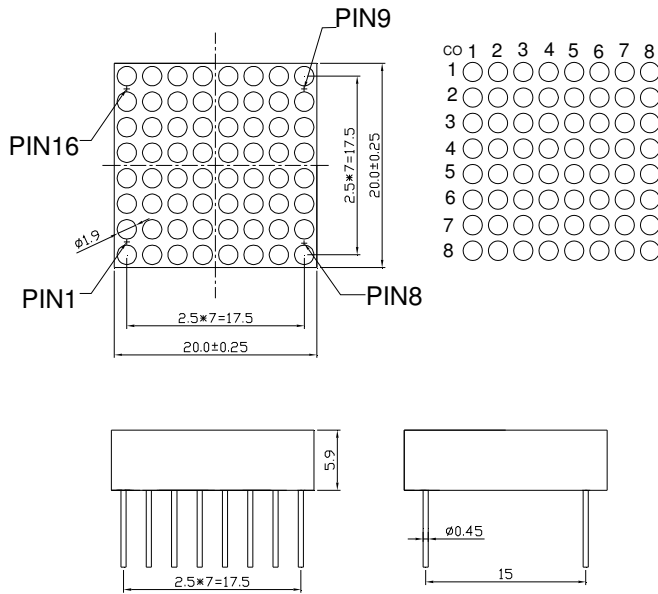
\*3 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions and Pin Function

**OSL640781-AX**



**OSL640781-BX**



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