

■ **Features**

- 0.3 Inch Four Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation

■ **Applications**







- Counting device
- Clock

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

Item	Symbol	Value		Unit
		RA/R/YG/Y	B/G/W	
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>	44	66	mW
Operating Temperature	Topr	-30 ~ +70		°C
Storage Temperature	Tstg	-40~ +85		°C
Lead Soldering Temperature(1.6mm from seating plane)	Tsol	260°C/5sec		°C

#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)			λD(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						
OSL40302-IW(LW)	White	W	-	3.3	3.5	20	-	65	-	X=0.27 · Y=0.28			
OSL40302-IB(LB)	Blue	B		-	3.3	3.5	20	-	65	-	-	470	-
OSL40302-IG(LG)	Pure Green	G		-	3.3	3.5	20	-	189	-	-	525	-
OSL40302-IYG(LYG)	Yellow Green	YG		-	2.2	2.4	20	-	12	-	-	571	-
OSL40302-IY(LY)	Yellow	Y		-	2.1	2.5	20	-	55	-	-	590	-
OSL40302-IR(LR)	Red	R		-	2.1	2.5	20	-	26	-	-	640	-
OSL40302-IRA(LRA)	High Luminance Red	RA		-	2.1	2.5	20	-	100	-	-	625	-

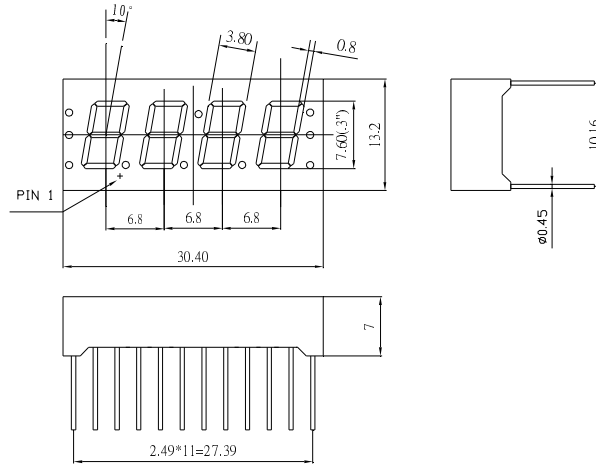
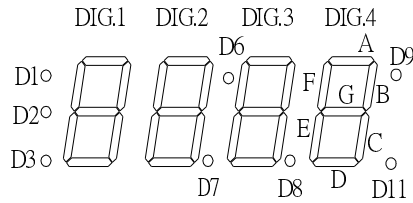
\*1 Tolerance of measurements of dominant wavelength is±1nm

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

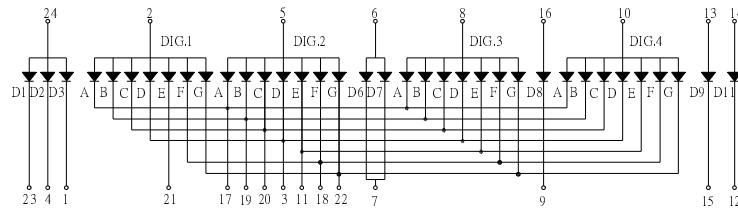
\*3 Tolerance of measurements of forward voltage is±0.1V

**Package Dimensions and Pin Function**

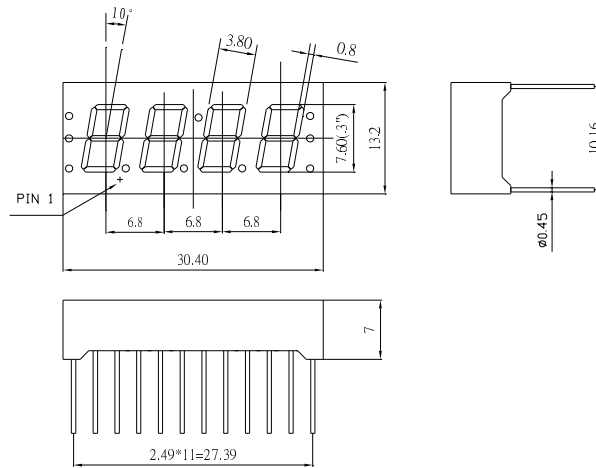
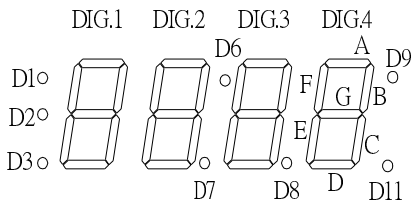
**OSL40302-IX  
(Common Anode type)**



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



**OSL40302-LX  
(Common Cathode type)**



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

