

■ Features

- 4.0 Inch Four Digit Display
- Long lifetime operation
- IC compatible
- Black surface & white segment or dot
- Number of pins:10

■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		RA/R/YG/Y/O	B/G/W	
DC Forward Current	I _F	20	20	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage / Per Segment or (Dp)	V _R	25(5)	25(5)	V
Power Dissipation / Per Segment or (Dp)	P _t	250(50)	350(70)	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

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

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

Part Number	Color			V _F (V) Per Segment or (Dp)*			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					
OSL14003-IW(LW)	White	W		-	15.5 (3.1)	17.5 (3.5)	10	-	65	-	X=0.27 , Y=0.28		
OSL14003-IB(LB)	Blue	B	■	-	15.5 (3.1)	17.5 (3.5)	10	-	50	-	-	465	-
OSL14003-IG(LG)	Pure Green	G	■	-	15.5 (3.1)	17.5 (3.5)	10	-	200	-	-	525	-
OSL14003-IYG(LYG)	Yellow Green	YG	■	-	10.5 (2.1)	12.5 (2.5)	10	-	12	-	-	571	-
OSL14003-IY(LY)	Yellow	Y	■	-	10.5 (2.1)	12.5 (2.5)	10	-	60	-	-	590	-
OSL14003-IO(LO)	Orange	O	■	-	10.5 (2.1)	12.5 (2.5)	10	-	70	-	-	605	-
OSL14003-IR(LR)	Red	R	■	-	10.5 (2.1)	12.5 (2.5)	10	-	26	-	-	630	-
OSL14003-IRA(LRA)	High Luminance Red	RA	■	-	10.5 (2.1)	12.5 (2.5)	10	-	100	-	-	625	-

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

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

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

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

■ **Package Dimensions and Pin Function**

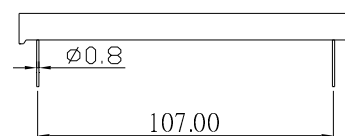
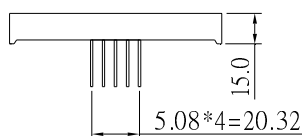
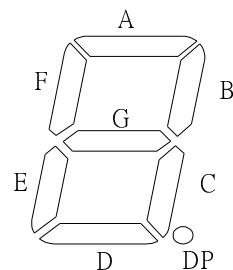
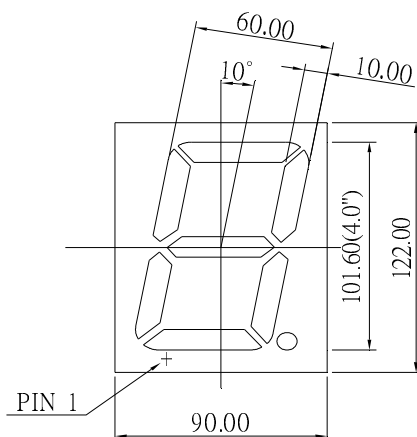
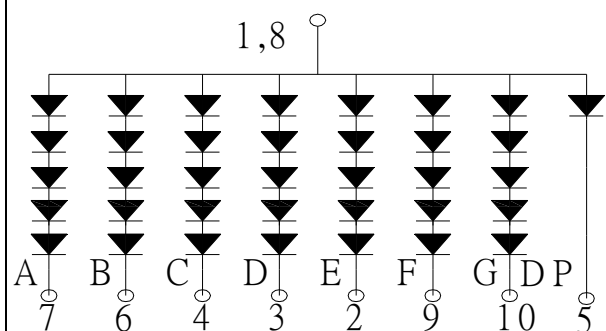
OSL14003-IX

(Common Anode type)

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



OSL14003-LX

(Common Cathode type)

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

