

■ **Features**

- 0.56 Inch Two Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot
- Number of pins: 18

■ **Applications**

- Counting device
- Clock

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

■ **Photo**



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	V _R	5	5	V
Power Dissipation	P _t	50	72	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)			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					
OSL20561-IW(LW)	White	W	-	3.1	3.6	20	-	65	-	X:0.2.7,Y0.28 (CCT:8500-18000K)		
OSL20561-IB(LB)	Blue	B	-	3.1	3.6	20	-	50	-	460	470	475
OSL20561-IG(LG)	Pure Green	G	-	3.1	3.6	20	-	200	-	515	520	530
OSL20561-IYG(LYG)	Yellow Green	YG	-	2.1	2.5	20	-	12	-	565	570	575
OSL20561-IY(LY)	Yellow	Y	-	2.1	2.5	20	-	60	-	585	590	595
OSL20561-IO(LO)	Orange	O	-	2.1	2.5	10	-	70	-	600	605	610
OSL20561-IR(LR)	Red	R	-	2.1	2.5	20	-	26	-	625	630	640
OSL20561-IRA(LRA)	High Luminance Red	RA	-	2.1	2.5	20	-	100	-	620	625	630

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

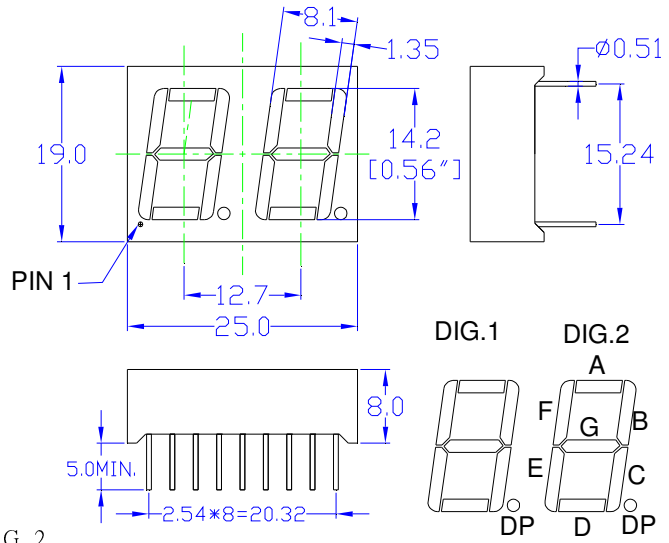
*2 Tolerance of measurements of dominant wavelength is ±1nm

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

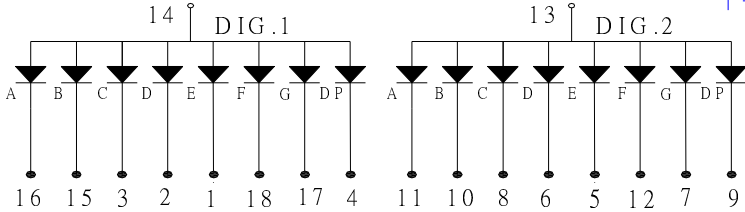
*4 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions and Pin Function

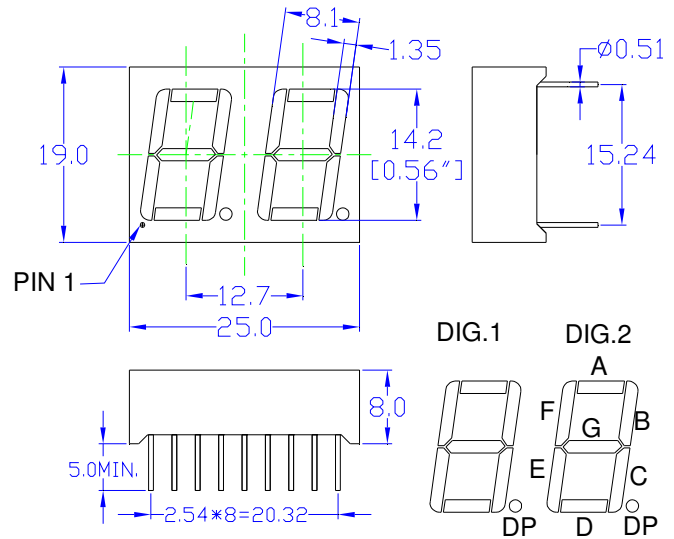
**OSL20561-IX
(Common Anode type)**



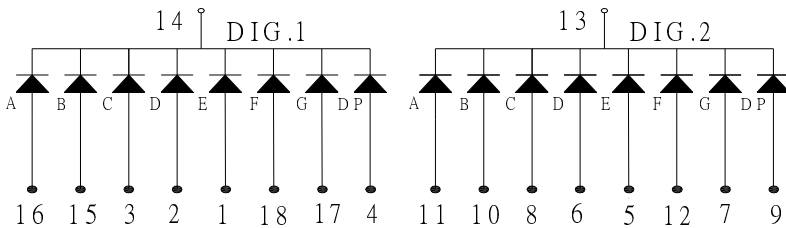
Note:
1, Unit : mm (Tolerance: ±0.25mm unless otherwise noted)
2, The slope angle of any PIN may be ±5.0° Max



**OSL20561-LX
(Common Cathode type)**



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



0.56 Inch Two Digit Display
OSL20561-IX (Common Anode type)
OSL20561-LX (Common Cathode type)

LAMP APPLICATION (PB FREE SOLDERJING)

Apply to Display (DIP) SERIES.

Description:

(1) Manual soldering (Solder Iron)

- (1.1) Temperature at tip of the iron: 350°C Max.
- (1.2) It's banned to load any stress on the resin during soldering.
- (1.3) Soldering time: 3sec.Max.(one time only.)
- (1.4) Leave 3mm of minimum distance from the base of the epoxy.

(2) Dip Soldering (Wave Soldering-Solder Bath)

- (2.1) Leave 3mm of minimum distance from the base of the epoxy.
Soldering beyond the base of the tie bar (stand off) is recommended.
- (2.2) When soldering, do not put stress on the Display during heating.
- (2.3) Cutting the lead frames at high temperatures may cause LED failure.
- (2.4) Never take next process until the component is cooled down to room temperature after reflow.
- (2.5) After soldering, do not warp the circuit board.
- (2.6) The recommended dip soldering profile is the following.

