

■ Features

- 0.54 inch 14-segment dual 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)

Item	Symbol	Value		Unit
		RA/R/Y/YG	G/B/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	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 _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					
OSL20541-IW(LW)	White	W		-	3.3	3.6	20	150	200	-	X=0.27,Y=0.28		
OSL20541-IB(LB)	Blue	B		-	3.3	3.6	20	40	60	-	460	470	475
OSL20541-IG(LG)	Pure Green	G		-	3.3	3.6	20	150	200	-	515	525	530
OSL20541-IYG(LYG)	Yellow Green	YG		-	2.2	2.6	20	10	15	-	565	571	575
OSL20541-IY(LY)	Yellow	Y		-	2.1	2.5	20	40	60	-	585	590	595
OSL20541-IR(LR)	Red	R		-	2.1	2.5	20	10	20	-	625	630	640
OSL20541-IRA(LRA)	High Red	RA		-	2.1	2.5	20	60	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%

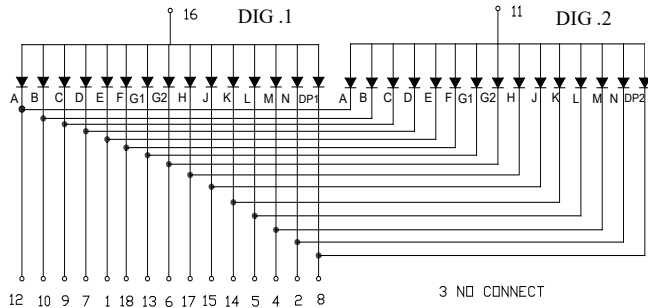
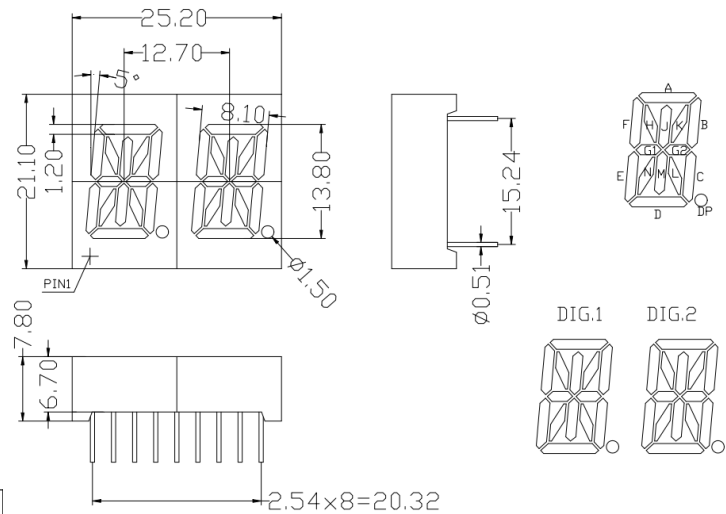
*4 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions and Pin Function

**OSL20541-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



**OSL20541-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

