

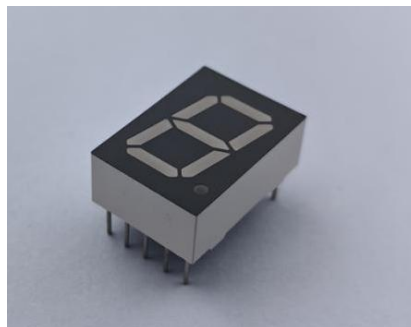
■ Features

- 0.52 Inch Single Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot
- Number of pins: 10

■ Applications

- Counting device
- Clock

■ Photo



■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		RA/R/YG/Y	W/B/G	
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					
OSL10521-IW(LW)	White	W		-	3.1	3.6	20	-	65	-	X:0.27	Y:0.28	
OSL10521-IB(LB)	Blue	B	■	-	3.1	3.6	20	-	50	-	460	470	475
OSL10521-IG(LG)	Pure Green	G	■	-	3.1	3.6	20	-	200	-	515	525	530
OSL10521-IYG(LYG)	Yellow Green	YG	■	-	2.1	2.6	20	-	12	-	565	570	575
OSL10521-IY(LY)	Yellow	Y	■	-	2.1	2.5	20	-	60	-	585	590	595
OSL10521-IR(LR)	Red	R	■	-	2.1	2.5	20	-	20	-	600	605	610
OSL10521-IRA(LRA)	High Red	RA	■	-	2.1	2.5	20	-	100	-	625	635	650

*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

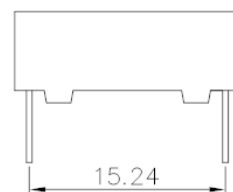
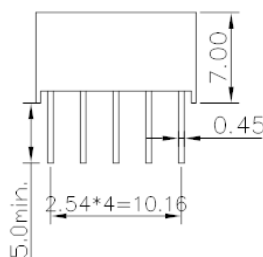
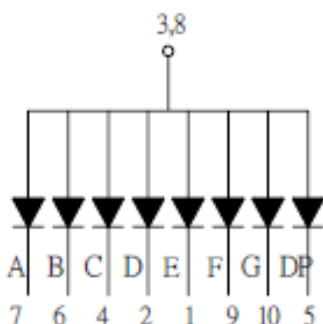
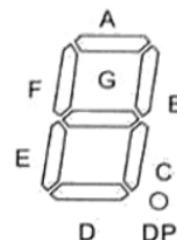
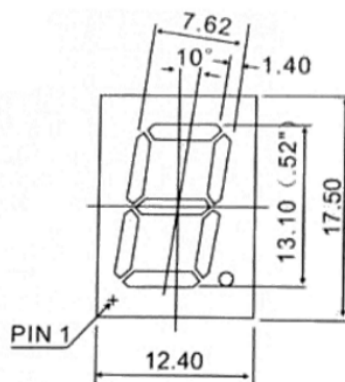
OSL10521-IX

(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



OSL10521-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

