

■ Features

- 0.3 Inch Single Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot

■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Y/G/Y/O/R/RA	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	50	72	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					
OSL10303-IW(LW)	White	W		-	3.3	3.6	20	-	65	-	X:0.2.7,Y0.28 (CCT:8500-18000K)		
OSL10303-IB(LB)	Blue	B		-	3.3	3.6	20	-	50	-	460	465	475
OSL10303-IG(LG)	Pure Green	G		-	3.3	3.6	20	-	200	-	515	525	530
OSL10303-IYG(LYG)	Yellow Green	YG		-	2.1	2.5	20	-	12	-	565	570	575
OSL10303-IY(LY)	Yellow	Y		-	2.1	2.5	20	-	60	-	585	590	595
OSL10303-IO(LO)	Orange	O		-	2.1	2.5	20	-	60	-	600	605	610
OSL10303-IR(LR)	Red	R		-	2.1	2.5	20	-	26	-	625	630	640
OSL10303-IRA(LRA)	High Red	RA		-	2.1	2.5	20	-	100	-	620	625	630

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

■ Package Dimensions and Pin Function

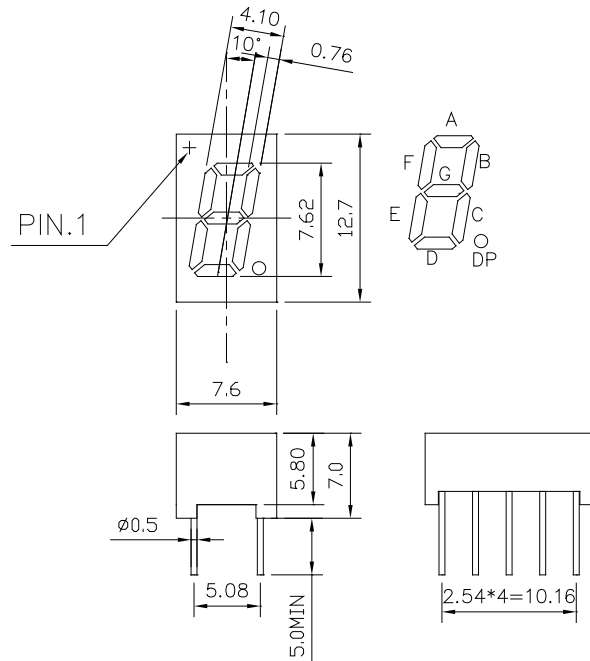
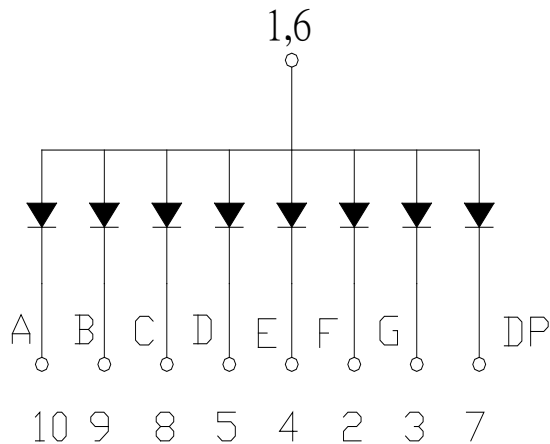
OSL10303-IX

(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



OSL10303-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

