OptoSupply
Light It Up

1.0 Inch Single Digit Display

OSL11004-IX (Common Anode type)

OSL11004-LX (Common Cathode type)

■ Features

- 1.0 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℃)

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

Item	Symbol	Value		Unit
		YG/Y/O/R	W/B/G	
DC Forward Current	I_F	25	25	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage/Per Segment or (Dp)	V_R	10(5)	10(5)	V
Power Dissipation/Per Segment or (Dp)	P_t	125(62.5)	170(85)	mW
Operating Temperature	Topr	-30 ~ +70		℃
Storage Temperature	Tstg	-40~ +85		℃
Lead Soldering Temperature(1.6mm from seating plane)	Tsol	260℃/5sec		℃

■ Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V) Per Segment or (Dp)			I_R(μA)	Iv(mcd)			λD(nm)		
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
				I_F=20mA			V_R=10V V_R=5V(Dp)	I_F=20mA					
OSL11004-IW(LW)	White	W		5.8 (2.9)	6.2 (3.1)	6.8 (3.4)	20	-	65	-	X=0.27 Y=0.28		
OSL11004-IB(LB)	Blue	B	■	5.8 (2.9)	6.2 (3.1)	6.8 (3.4)	20	-	50	-	460	470	475
OSL11004-IG(LG)	Pure Green	G	■	5.8 (2.9)	6.2 (3.1)	6.8 (3.4)	20	-	200	-	520	525	530
OSL11004-IYG(LYG)	Yellow Green	YG	■	3.6 (1.8)	4.4 (2.2)	5.0 (2.5)	20	-	12	-	565	570	575
OSL11004-IY(LY)	Yellow	Y	■	3.6 (1.8)	4.4 (2.2)	5.0 (2.5)	20	-	60	-	585	590	595
OSL11004-IO(LO)	Orange	O	■	3.8 (1.9)	4.4 (2.2)	5.0 (2.5)	20	-	70	-	600	605	610
OSL11004-IR(LR)	Red	R	■	3.8 (1.9)	4.4 (2.2)	5.0 (2.5)	20	-	26	-	630	640	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

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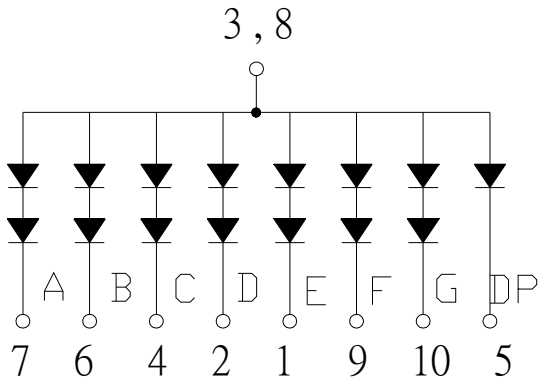
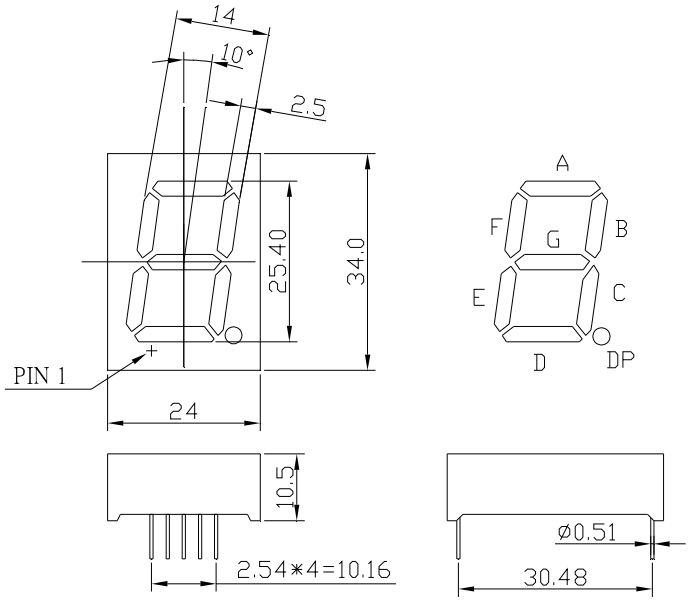
■ Package Dimensions and Pin Function

OSL11004-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





OSL11004-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