

■ Features

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

■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		W/B/PG	YG/Y/O/R/RA	
DC Forward Current	I _F	20	20	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage / Per Segment or (Dp)	V _R	15(5)	15(5)	V
Power Dissipation / Per Segment or (Dp)	P _t	216(72)	156(52)	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)

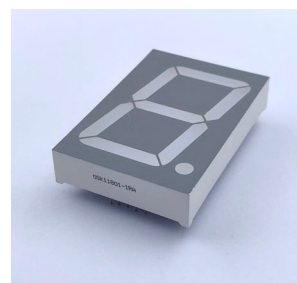
Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λD(nm)		
				Per Segment or (Dp)				Min.	Typ.	Max.	Min.	Typ.	Max.
				Min.	Typ.	Max.	Max.						
				I _F =20mA			V _R =10/5V	I _F =20mA					
OSK11801-IW/LW	White	W			9.3(3.1)	10.8(3.6)	20	-	80	-	X:0.27 , Y:0.28 (CCT:8000-18000K)		
OSK11801-IB/LB	Blue	B		-	9.3(3.1)	10.8(3.6)	20	-	50	-	460	465	475
OSK11801-IG/LG	Pure Green	G		-	9.3(3.1)	10.8(3.6)	20	-	270	-	515	525	530
OSK11801-IYG/LYG	Yellow Green	YG		-	6.6(2.2)	7.8(2.6)	20	-	30	-	565	570	575
OSK11801-IY/LY	Yellow	Y		-	6.3(2.1)	7.8(2.6)	20	-	70	-	585	590	595
OSK11801-IO/LO	Orange	O		-	6.3(2.1)	7.8(2.6)	20	-	70	-	600	605	610
OSK11801-IR/LR	Red	R		-	6.3(2.1)	7.8(2.6)	20	-	40	-	625	630	640
OSK11801-IRA/LRA	High Red	RA			6.3(2.1)	7.8(2.6)	20	-	100	-	620	625	630

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

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

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

■ Photo

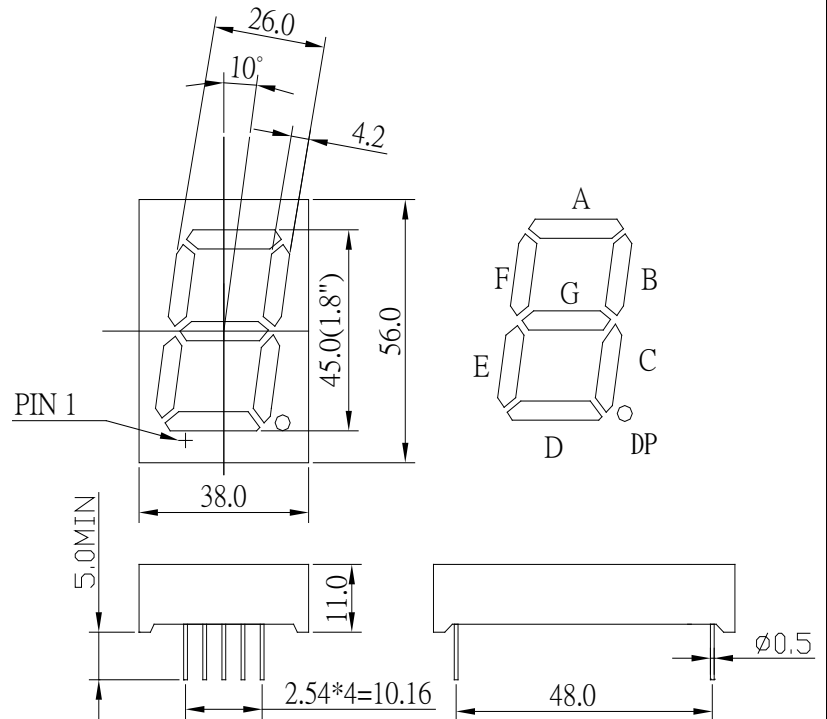
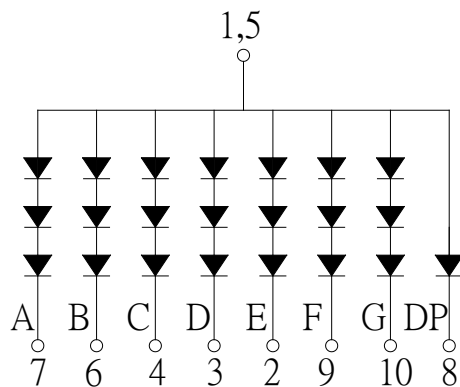


■ Package Dimensions and Pin Function

**OSK11801-IX
(Common Anode type)**

Note:

Unit : mm(Tolerance:±0.25mm unless
otherwise noted)



**OSK11801-LX
(Common Cathode type)**

Note:

Unit : mm(Tolerance:±0.25mm unless
otherwise noted)

