

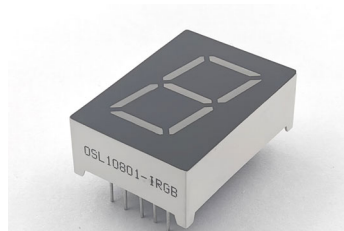
■ Features

- 0.8 inch RGB single digit display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment

■ Applications

- Counting device
- Clock

■ Photo



■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value			Unit
		R	G	B	
DC Forward Current	I _F	25	25	25	mA
Pulse Forward Current#	I _{FP}	100	100	100	mA
Reverse Voltage	V _R	5	5	5	V
Power Dissipation	P _t	65	90	90	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)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F (Red)	I _F =20mA	-	2.1	2.6	V
	V _F (Green)	I _F =20mA	-	3.1	3.6	V
	V _F (Blue)	I _F =20mA	-	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	20	μA
Domi. Wavelength*2	λ _D (Red)	I _F =20mA	620	625	630	nm
	λ _D (Green)	I _F =20mA	520	525	530	nm
	λ _D (Blue)	I _F =20mA	460	465	470	nm
Luminous Intensity*3	I _v (Red)	I _F =20mA	30	45	-	mcd
	I _v (Green)	I _F =20mA	140	160	-	mcd
	I _v (Blue)	I _F =20mA	100	120	-	mcd

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

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

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

■ Package Dimensions and Pin Function

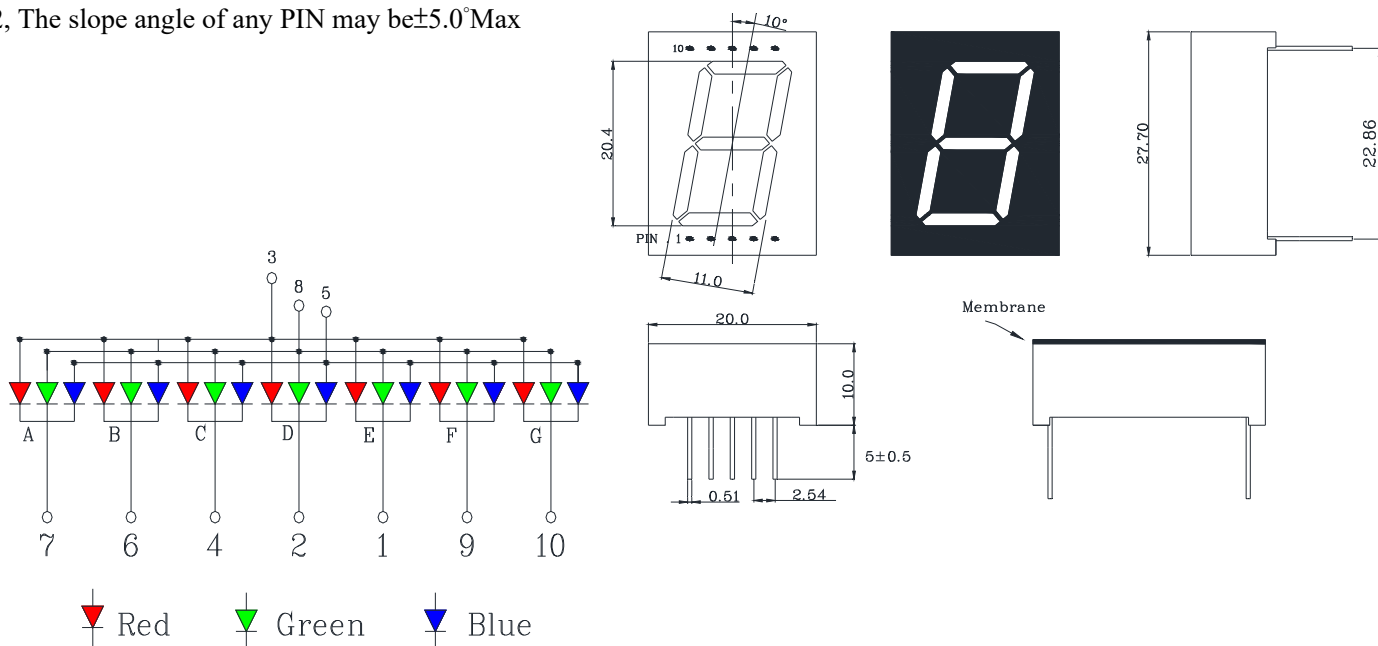
OSL10801-IRGB

(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



OSL10801-LRGB

(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

