OptoSupply
Light It Up

0.2 Inch Ten Digit Multi-color Display

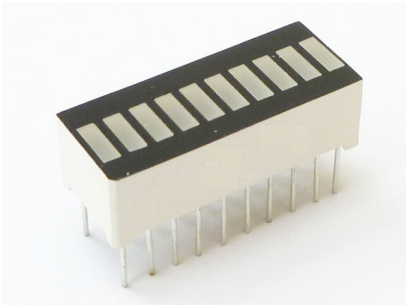
OSX10201-XXXX

VER A.3

■ Features

- 0.2 Inch ten Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation

■ Photo



■ Applications

- Indicating device
- Overflow indication

■ Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		R/G/Y	B/P	
DC Forward Current	I_F	25	25	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_t	62.5	72	mW
Operating Temperature	Topr	-30 ~ +70		℃
Storage Temperature	Tstg	-40~ +85		℃
Lead Soldering Temperature(1.6mm from seating plane)	Tsol	260℃/5sec		℃

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

■ Electrical -Optical Characteristics (Ta=25℃)

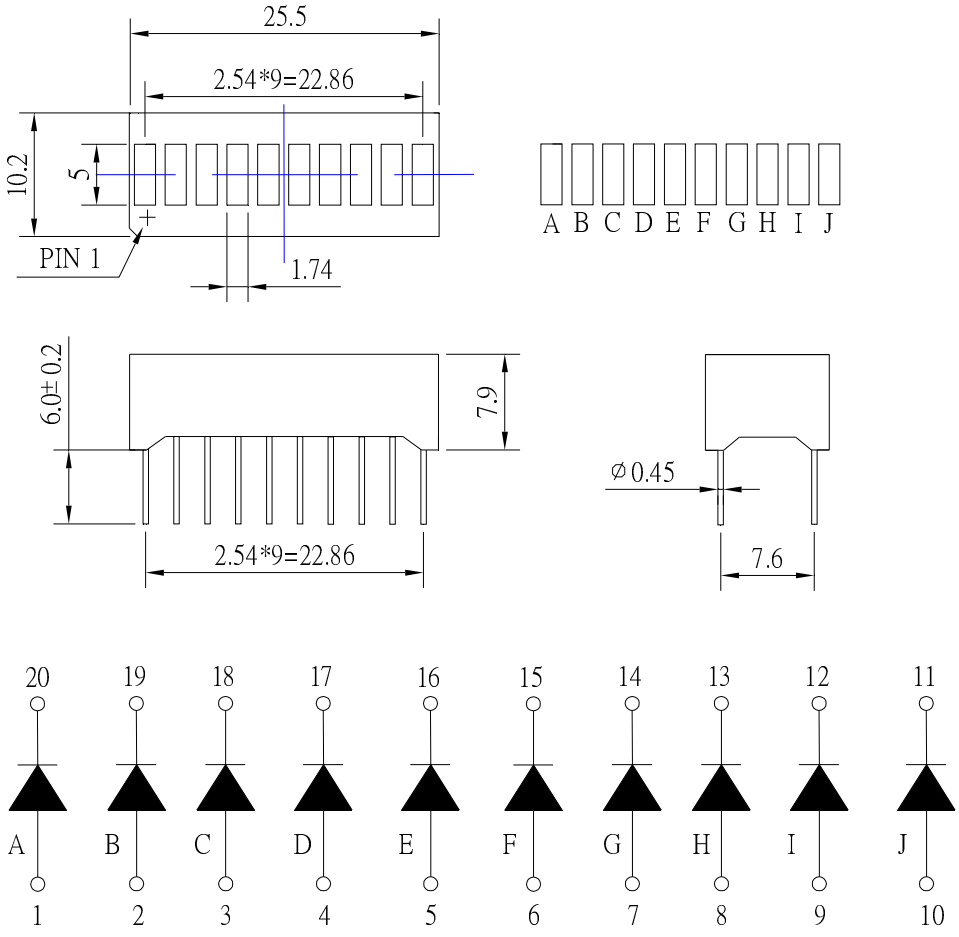
Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			λD(nm)		
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
				I_F=20mA			V_R=5V	I_F=20mA					
OSX10201-XXXX	Blue	B		-	3.3	3.6	20	-	50	-	-	465	-
	Pure Green	P		-	3.1	3.6	20	-	262	-	-	512	-
	Yellow Green	G		-	2.1	2.5	20	-	35	-	-	570	-
	Yellow	Y		-	2.1	2.5	20	-	35	-	-	587	-
	Red	R		-	2.1	2.5	20	-	35	-	-	632	-

*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
*4 Tolerance of measurements of chromaticity coordinate is +10%

■ Package Dimensions and Pin Function

OSX10201-XXXX

Part NO	Color	A/B/C/D	E/F/G	H/I/J
OSX10201-RGB1		Red	Yellow green	Blue
OSX10201-RGY1		Red	Yellow green	Yellow
OSX10201-RPB1		Red	Pure green	Blue
OSX10201-YGR1		Yellow	Yellow green	Red
OSX10201-RGG1		Red	Yellow green	Yellow green
OSX10201-GGR1		Yellow green	Yellow green	Red
Part NO	Color	A/B/C/D/E	F/G/H	I/J
OSX10201-GYR1		Yellow green	Yellow	Red



Note:

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

2, The slope angle of any PIN may be±5.0°Max