OptoSupply
Light It Up

10mm High Brightness Flat LED

OSXXXXA6A1A

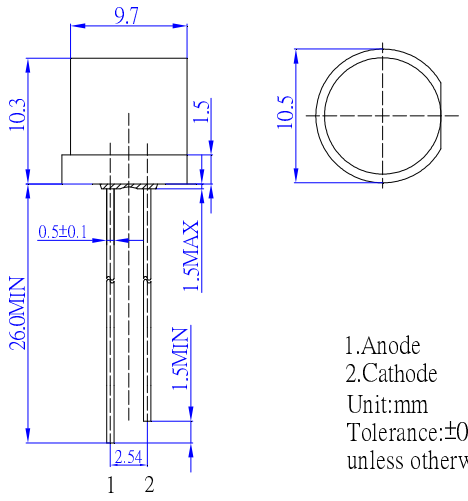
■Features

- High Luminous LEDs
- 9.7mm Flat Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



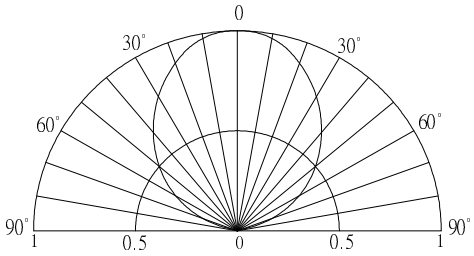
1.Anode
2.Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise ntoed

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		W/M/K/B/PG	Y/O/R	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	102	78	mW
Operating Temperature	Topr	-30 ~ +85		℃
Storage Temperature	Tstg	-40~ +100		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			λD(nm)			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSW5DKA6A1A	White	W		2.7	2.9	3.4	10	1560	2180	-	Typ. X:0.27,Y:0.28			100
OSM5DK A6A1A	Warm White	M		2.7	2.9	3.4	10	1560	2180	-	Typ. X:0.45,Y:0.41			100
OSK5DK A6A1A	Pink	K		2.7	2.9	3.4	10	500	750	-	Typ.X:0.45,Y:0.17			100
OSB5SA A6A1A	Blue	B		2.7	3.0	3.4	10	750	1120	-	465	465	475	100
OSG5DA A6A1A	Pure Green	PG		2.7	3.0	3.4	10	1560	2180	-	520	525	530	100
OSY5PA A6A1A	Yellow	Y		1.8	2.1	2.6	10	1120	1560	-	585	590	595	100
OSO5PA A6A1A	Orange	O		1.8	2.1	2.6	10	1120	1560	-	600	605	610	100
OSR5PA A6A1A	Red	R		1.8	2.1	2.6	10	1120	1560	-	620	625	630	100

***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**

LED & Application Technologies

ISO 9001: 2008

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES