OptoSupply
Light It Up

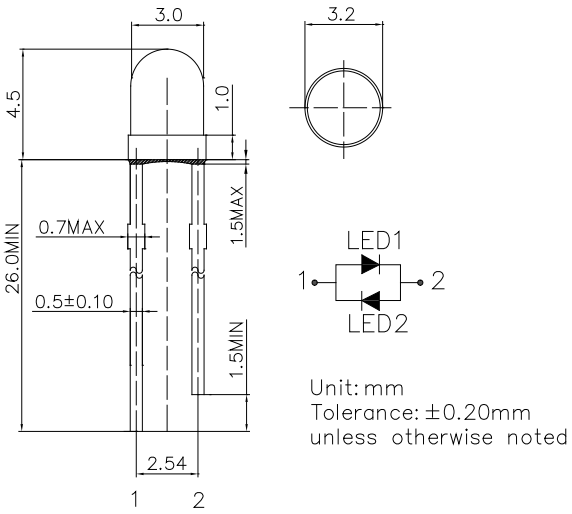
3mm Round AC LED

OSXXX23C6XA

▪Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused /White Diffused (W, M only)
- Bi-polar Type

▪Outline Dimension



▪Applications

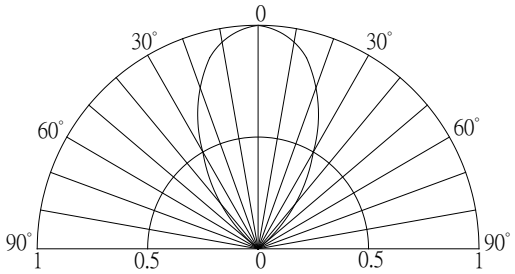
- Indicate Lamp
- Toys/Games/ Audio
- General Use

▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		W/M/B/PG	YG/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



Part Number	Color			V_F (V)*			Iv(mcd)*			Λd*(nm)/CCT(K)*			θ1/2(deg)
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			I_F=20mA						
OSWWD23C62A	Cool White	W		2.7	2.9	3.4	3000	4200	-	CCT: 8500-18000K			60
OSMMD23C62A	Warm white	M		2.7	2.9	3.4	3000	4200	-	CCT:2700-3300K			60
OSBBS23C64A	Blue	B		2.7	2.9	3.4	500	750	-	465	465	475	60
OSPPD23C64A	Pure Green	PG		2.7	2.9	3.4	3000	4200	-	520	525	530	60
OSGGH23C64A	Yellow Green	YG		1.8	2.1	2.6	45	68	-	565	570	575	60
OSYYJ23C64A	Yellow	Y		1.8	2.1	2.6	150	220	-	585	590	595	60
OSOOJ23C64A	Orange	O		1.8	2.1	2.6	150	220	-	600	605	610	60
OSRRJ23C64A	Red	R		1.8	2.1	2.6	150	220	-	620	625	630	60

*1 Tolerance of measurements of domi. wavelength is ±1nm
*2 Tolerance of measurements of chromaticity coordinates/CCT is ±10%
*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

RoHS Compliant EU 2002/95/EC

REACH The new EU chemicals legislation

ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES