OptoSupply
Light It Up

3mm Round White & White LED

OSWWY23131E

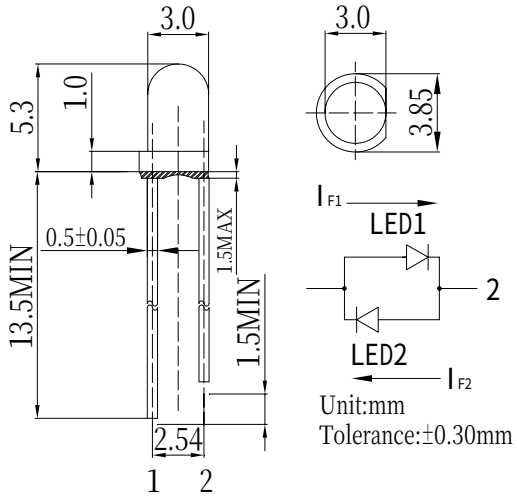
▪Features

- High Luminous LEDs
- 3mm Straw Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy/ Water Clear Type
- AC LED

▪Applications

- Backlighting (illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps / Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

▪Outline Dimension

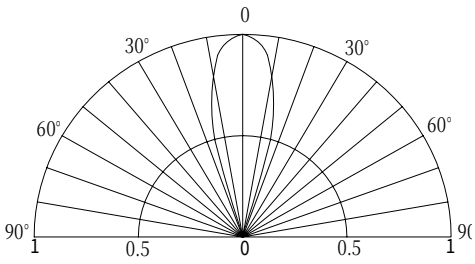


▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		LED1	LED2	
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	108	108	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℃)

Item	NO.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	LED1	V_{F1}	I_{F1}=20mA	2.9	3.1	3.6	V
	LED2	V_{F2}	I_{F2}=20mA	2.9	3.1	3.6	V
Chromaticity Coordinates*	LED	x	I_F=20mA	-	0.27	-	
		y	I_F=20mA	-	0.28	-	
Luminous Intensity *	LED1	Iv_1	I_{F1}=20mA	-	3000	-	mcd
	LED2	Iv_2	I_{F2}=20mA	-	3000	-	mcd
50% Power Angle	LED1	$2\theta_{1/2}$	I_{F1}=20mA	-	30	-	deg
	LED2	$2\theta_{1/2}$	I_{F2}=20mA	-	30	-	deg

*Tolerance of dominant chromaticity is ±10%
*2 Tolerance of luminous intensity is ±15%