OptoSupply
Light It Up

3.5x2.8x1.9mm Cherry SMD LED

OSCF4LS1C1A

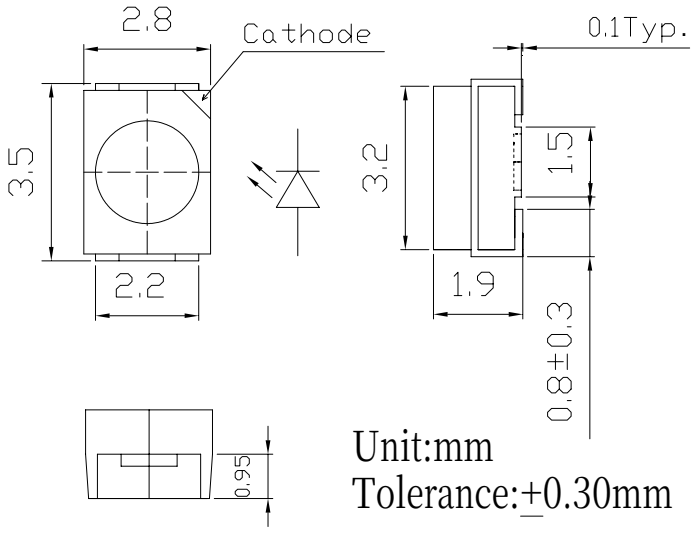
▪Features

- High Luminous PLCC2 Top SMD LEDs
- 3.5x2.8x1.9mm Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- Red Diffused Type

▪Applications

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

▪Outline Dimension

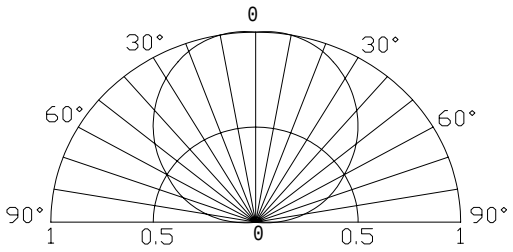


▪Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	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°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.8	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Flux	Φv	I_F=20mA	4.2	4.7	-	lm
Chromaticity Coordinates*	x	I_F=20mA	-	0.44	-	
	y	I_F=20mA	-	0.30	-	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	120	-	deg

*1 Luminous Flux Measurement allowance is ±15%
*2 Chromaticity Coordinates Measurement allowance is ±10%