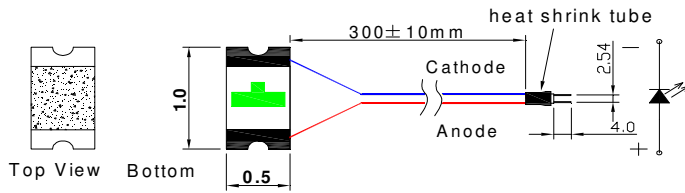


**■Features**

- Ø 0.25mm electric wire, length 300±10mm
- Super high brightness of surface mount LED
- Sorting for I<sub>v</sub> and V<sub>f</sub> @ 5mA of I<sub>f</sub>
- Compact package outline  
(LxWxT) of 1.0mm x 0.5mm x 0.4mm

**■Outline Dimension**



Notes: 1. All dimensions are in millimeters ;  
2. Tolerance is ± 0.10 mm unless otherwise noted.

**■Applications**

- Backlighting (switches, keys, etc.)
- Marker lights (e.g. steps, exit ways, etc.)

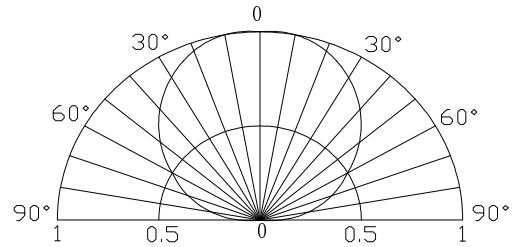
**■Absolute Maximum Rating**

(T<sub>a</sub>=25°C)

Item	Symbol	Value		Unit
		HR /YG/ OR/YL	BL/PG/W/M	
DC Forward Current	I <sub>F</sub>	20	20	mA
Pulse Forward Current#	I <sub>FP</sub>	100	100	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	48	64	mW
Operating Temperature	Topr	-40 ~ +85		°C
Storage Temperature	Tstg	-40~ +85		°C
Lead Soldering Temperature	Tsol	260°C/10sec		-

#Pulse width Max 0.1ms, Duty ratio max 1/10

**■Directivity**



**■Electrical -Optical Characteristics**

(T<sub>a</sub>=25°C)

Part Number	Color			V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			λD(nm)/CCT(K)			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I <sub>F</sub> =5mA			V <sub>R</sub> =5V			I <sub>F</sub> =5mA				
OSM50402C1C-WC30	Warm White	M		2.6	2.9	3.2	10	80	150	-	2600-3200K			120
OSWA0402C1C-WC30	Pure White	W		2.6	2.9	3.2	10	80	150	-	6500-9000K			120
OSB50402C1C-WC30	Blue	BL		2.6	2.9	3.2	10	25	40	-	460	465	475	120
OSG50402C1C-WC30	Pure Green	PG		2.6	2.7	3.2	10	120	250	-	515	525	530	120
OSG80402C1C-WC30	Yellow Green	YG		1.6	2.0	2.4	10	5	10	-	565	570	575	120
OSY50402C1C-WC30	Yellow	YL		1.6	2.0	2.4	10	15	20	-	585	590	595	120
OSO50402C1C-WC30	Orange	OR		1.6	2.0	2.4	10	15	30	-	600	605	610	120
OSR50402C1C-WC30	Red	HR		1.6	2.0	2.4	10	25	40	-	620	625	630	120

\*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