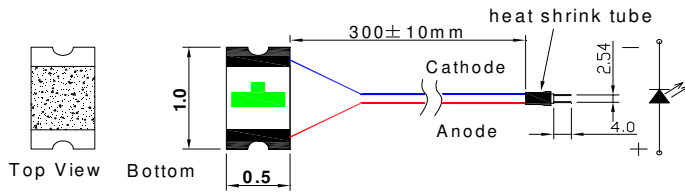


■Features

- Ø 0.25mm electric wire, length 300±10mm
- Super high brightness of surface mount LED
- Sorting for I_v and V_f @ 5mA of I_f
- 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.)

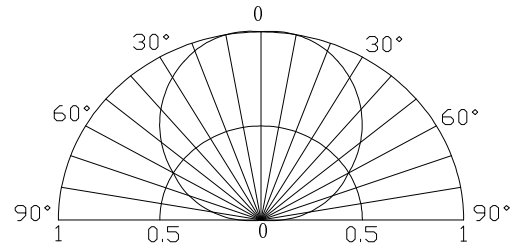
■Absolute Maximum Rating

($T_a=25^{\circ}C$)

Item	Symbol	Value		Unit
		HR /YG/ OR/YL	BL/PG/W/M	
DC Forward Current	I_F	20	20	mA
Pulse Forward Current#	I_{FP}	100	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	48	64	mW
Operating Temperature	T_{opr}	-40 ~ +85		$^{\circ}C$
Storage Temperature	T_{stg}	-40~ +85		$^{\circ}C$
Lead Soldering Temperature	T_{sol}	260 $^{\circ}C$ /10sec		-

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

■Directivity



■Electrical -Optical Characteristics

($T_a=25^{\circ}C$)

Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)			λ_D (nm)/CCT(K)			2 θ 1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=5mA$			$V_R=5V$			$I_F=5mA$				
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

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