

■Features

- 0.16mm Enamelled copper wire, length 250 ± 5 mm
- Super high brightness of surface mount LED
- Compact package outline of 1.6mm x 0.8mm

■Applications

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

■Absolute Maximum Rating











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

Item	Symbol	Value		Unit
		WT/BL/MW/TG	YG/YL/OR/HR	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current*	I_{FP}	100	100	mA
Reverse Voltage	V_R	12	12	V
Operating Temperature	T_{opr}	-40 ~ +85		$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +85		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	260 $^\circ\text{C}$ /5sec		-

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

■Electrical -Optical Characteristics

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

Part Number	Color			V_F (V)			I_R (μA)	I_v (mcd)			λD (nm)			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=5\text{mA}$			$V_R=12\text{V}$	$I_F=5\text{mA}$						
OSWT1608C1A-WRC25	White	WT		2.6	2.9	3.2	100	37	74	110	X=0.27, Y=0.28			120
OSMW1608C1A-WRC25	Warm white	MW		2.6	2.9	3.2	100	37	74	110	X=0.45, Y=0.41			120
OSBL1608C1A-WRC25	Blue	BL		2.6	2.9	3.2	100	9	23	37	465	470	475	120
OSTG1608C1A-WRC25	True Green	TG		2.6	2.9	3.2	100	90	128	165	520	525	530	120
OSYG1608C1A-WRC25	Yellow Green	YG		1.7	1.9	2.2	100	6	11	16	565	570	575	120
OSYL1608C1A-WRC25	Yellow	YL		1.7	1.9	2.2	100	27	40	71	586	590	592	120
OSOR1608C1A-WRC25	Orange	OR		1.7	1.9	2.2	100	18	35	60	600	605	610	120
OSHR1608C1A-WRC25	Red	HR		1.7	1.9	2.2	100	18	35	60	620	625	630	120
OSTB1608C1C-A-WRC25	Blue	BL		2.6	2.8	3.4	100	30	-	70	465	470	475	120
	Pure Green	PG		2.4	2.6	3.4	100	80	-	160	520	525	530	120
	Red	HR		1.6	2.0	2.4	100	20	-	60	620	625	630	120

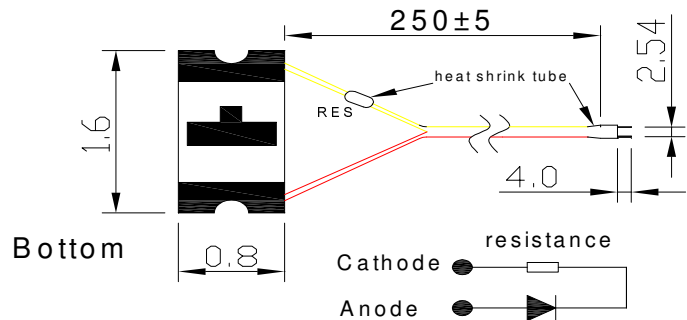
*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

■Outline Dimension



Notes: 1. All dimensions are in millimeters ;
2. Tolerance is $\pm 0.1\text{ mm}$ unless otherwise noted.

■Directivity

