

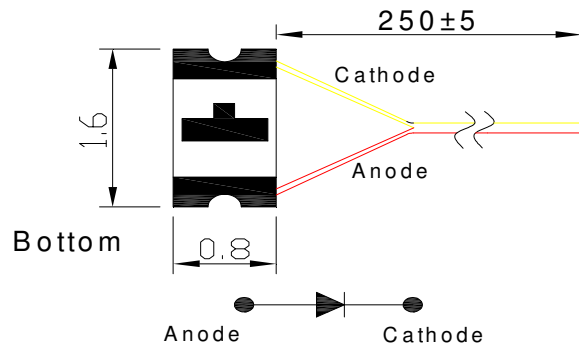
■Features

- Mounted with 0.16mm wire, length 250 ± 5 mm
- Super high brightness of surface mount LED
- Sorting for I_v and V_f @ 5mA of I_f
- Compact package outline of 1.6mm x 0.8mm

■Applications

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

■Outline Dimension



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

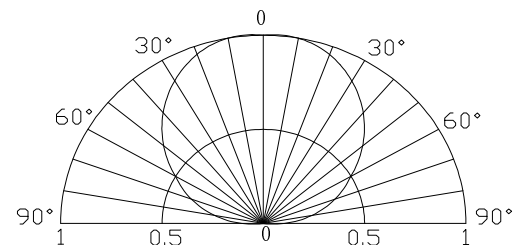
■Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		WT/MW/BL/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	5	5	V
Power Dissipation	P_D	100	70	mW
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

■Directivity



■Electrical -Optical Characteristics

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

Part Number	Color		V_F (V)				I_R (μA)	I_v (mcd)			λ_D (nm)			$2\theta_{1/2}$ (deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	
			$I_F=5\text{mA}$				$V_R=5\text{V}$	$I_F=5\text{mA}$						
OSWT1608C1A-W25	White	WT	2.6	2.9	3.2	100	37	74	110	X=0.27, Y=0.28			120	
OSMW1608C1A-W25	Warm White	MW	2.6	2.9	3.2	100	37	74	110	X=0.45, Y=0.41			120	
OSBL1608C1A-W25	Blue	BL	2.6	2.9	3.2	100	9	23	37	465	470	475	120	
OSTG1608C1A-W25	True Green	TG	2.6	2.9	3.2	100	90	128	165	520	525	530	120	
OSYG1608C1A-W25	Yellow Green	YG	1.7	1.9	2.2	100	6	11	16	565	570	575	120	
OSYL1608C1A-W25	Yellow	YL	1.7	1.9	2.2	100	27	40	71	586	591	595	120	
OSOR1608C1A-W25	Orange	OR	1.7	1.9	2.2	100	18	35	60	600	605	610	120	
OSHR1608C1A-W25	Red	HR	1.7	1.9	2.2	100	18	35	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 $\pm 0.1\text{V}$