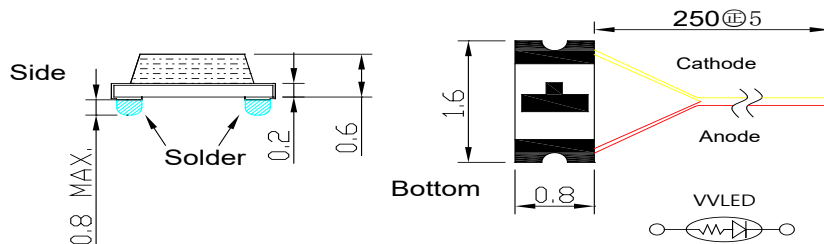


■Features

- 0.16mm enameled copper wire, length 250±5mm
- High Luminous Intensity
- Built-in resistor allows operation with a wide voltage range of DC 3-15V.
- Compact package outline
- (LxWxT) of 1.6x0.8x0.6mm
- Compatible with IR reflow soldering.

■Outline Dimension



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

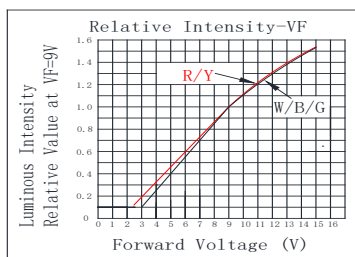
■Applications

- Electronic toys, electronic appliances, electronic models
- Models lightning and indicator light

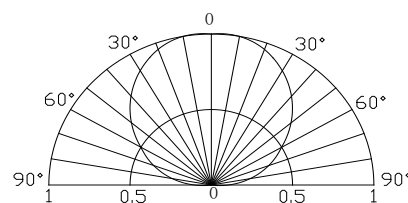
■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	16	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	208	mW
Operating Temperature	T_{opr}	-40 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +85	°C
Lead Soldering Temperature	T_{sol}	260°C/10sec	-

■Optical Characteristic Curves



■Directivity



■Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color		I_F (mA)			I_v (mcd)			λ_D (nm)/CCT(K)			$2\theta_{1/2}$ (deg)
			Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			$V_F = 9V$			$V_F = 9V$						
OSW50603F-VV-W25	Cool White		-	7.5	13	400	450	-	8500-10000-18000K			120
OSM50603F-VV-W25	Warm White		-	7.5	13	400	450	-	2700-3000-3300K			120
OSB50603F-VV-W25	Blue		-	7.5	13	120	150	-	465	470	475	120
OSG50603F-VV-W25	Pure Green		-	7.5	13	550	650	-	520	525	530	120
OSY50603F-VV-W25	Yellow		-	8	13	120	150	-	585	590	595	120
OSO50603F-VV-W25	Orange		-	8	13	120	150	-	600	605	610	120
OSR50603F-VV-W25	Red		-	8	13	120	150	-	620	625	630	120

*1 Tolerance of measurements of domi. wavelength is ± 1 nm

*2 Tolerance of measurements of chromaticity coordinate/CCT is $\pm 10\%$

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

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