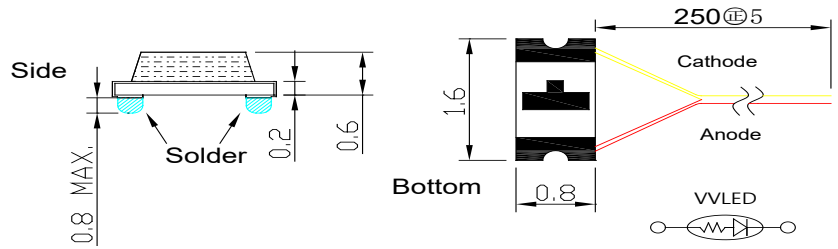


**■Features**

- 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.

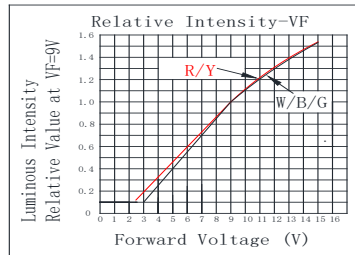
**■Applications**

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

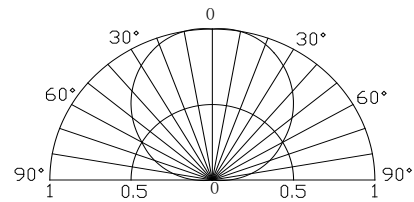
**■Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value	Unit
DC Forward Voltage	V <sub>F</sub>	16	V
Reverse Voltage	V <sub>R</sub>	12	V
Power Dissipation	P <sub>D</sub>	208	mW
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	°C
Lead Soldering Temperature	Tsol	260°C/10sec	-

**■Optical Characteristic Curves**



**■Directivity**



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

Part Number	Color	I <sub>F</sub> (mA)			I <sub>v</sub> (mcd)			λD(nm)/CCT(K)			2θ1/2(deg)
		Min	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
		V <sub>F</sub> =9V			V <sub>F</sub> =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	-	8.0	13	120	150	-	585	590	595	120
OSO50603F-VV-W25	Orange	-	8.0	13	120	150	-	600	605	610	120
OSR50603F-VV-W25	Red	-	8.0	13	120	150	-	620	625	630	120

\*1 Tolerance of measurements of domi. wavelength is ±1nm  
 \*2 Tolerance of measurements of chromaticity coordinate/CCT is ±10%  
 \*3 Tolerance of measurements of luminous intensity is ±15%  
 \*4 Tolerance of measurements of forward voltage is ±0.1V