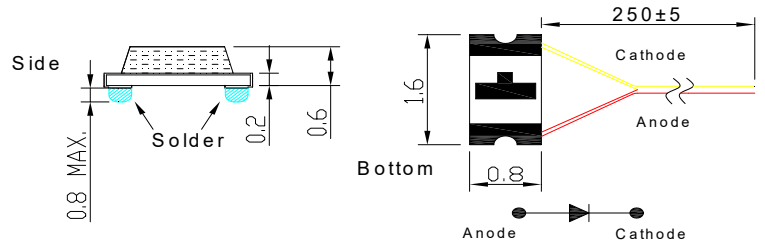


**■ Features**

- 0.16mm enameled copper wire, length  $250 \pm 5$ mm
- High luminous intensity
- Specified at  $I_F = 20$  mA
- Compact package outline  
(LxWxT) of 1.6mm x 0.8mm x 0.6mm

**■ Outline Dimension**



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

**■ Applications**

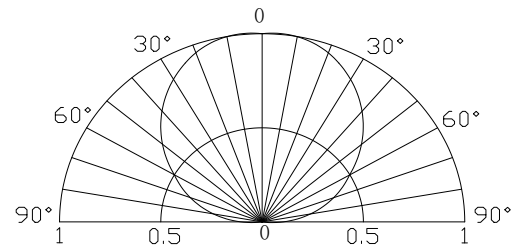
- Electronic toys, electronic appliances, electronic models
- Models lightning and indicator light

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

Item	Symbol	Value		Unit
		M5/W5/B5/G5	Y5/O5/R5	
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	$P_D$	72	52	mW
Operating Temperature	$T_{opr}$	-40 ~ +85		°C
Storage Temperature	$T_{stg}$	-40 ~ +85		°C

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

**■ Directivity**



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

Part Number	Color		$V_F$ (V)			$I_R$ ( $\mu$ A)	$I_V$ (mcd)			$\lambda_D$ (nm)/CCT(K)			$2\theta_{1/2}$ (deg)
			Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	
			$I_F=20$ mA			$V_R=5$ V			$I_F=20$ mA				
OS5M0603F-20MA-W25	Warm White	M5	-	3.1	3.6	10	1000	1200	-	2700-3000-3300K			120
OS5W0603F-20MA-W25	Cool White	W5	-	3.1	3.6	10	1000	1200	-	10000-20000-30000K			120
OS5B0603F-20MA-W25	Blue	B5	-	3.1	3.6	10	300	350	-	465	470	475	120
OS5G0603F-20MA-W25	Pure Green	G5	-	3.1	3.6	10	1200	1400	-	515	525	530	120
OS5Y0603F-20MA-W25	Yellow	Y5	-	2.1	2.6	10	300	350	-	585	590	595	120
OS5O0603F-20MA-W25	Orange	O5	-	2.1	2.6	10	300	350	-	600	605	610	120
OS5R0603F-20MA-W25	Red	R5	-	2.1	2.6	10	300	350	-	617	625	630	120

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