

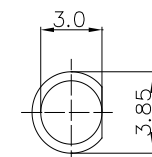
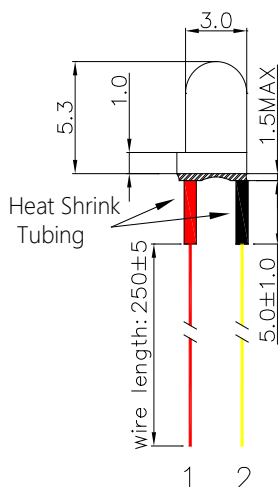
■Features

- 0.16mm enameled copper wire, length 250±5mm
- High Luminous Intensity
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Color Transparent / Water Clear for W, M

■Applications

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

■Outline Dimension



1: Anode
2: Cathode
Unit: mm
Tolerance: ±0.20mm
unless otherwise noted

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
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	102	66	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +100		°C

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

■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λD(nm)/CCT(K)			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA			I _F =20mA			
OSW53131A-20MA-W25	Cool White	W		-	2.9	3.4	10	12000	14400	-	8500-10000-18000K			30
OSM53131A-20MA-W25	Warm White	M		-	2.9	3.4	10	12000	14400	-	2700-3000-3300K			30
OSB53133A-20MA-W25	Blue	B		-	2.8	3.4	10	4200	5800	-	465	470	475	30
OSG53133A-20MA-W25	Pure Green	PG		-	2.8	3.4	10	12000	14400	-	520	525	530	30
OSY53133A-20MA-W25	Yellow	Y		-	2.1	2.6	10	4200	5800	-	585	590	595	30
OSO53133A-20MA-W25	Orange	O		-	2.1	2.6	10	4200	5800	-	600	605	610	30
OSR53133A-20MA-W25	Red	R		-	2.1	2.6	10	4200	5800	-	620	625	630	30

*1 Tolerance of measurements of chromaticity coordinate/CCT is ±10%

*2 Tolerance of measurements of dominant wavelength is ±1nm

*3 Tolerance of measurements of luminous intensity is ±15%

*4 Tolerance of measurements of forward voltage is ±0.1V

■Directivity

