

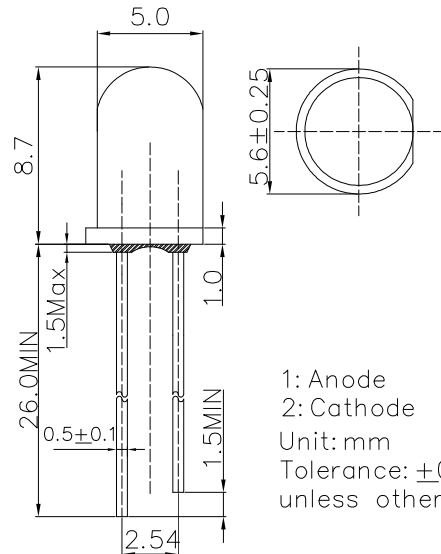
■ Features

- Standard LEDs
- 5mm Standard Directivity
- UV Resistant Epoxy
- Color Transparent Type

■ Applications

- Indications
- Audio
- Toys & Games
- General Use

■ Outline Dimension



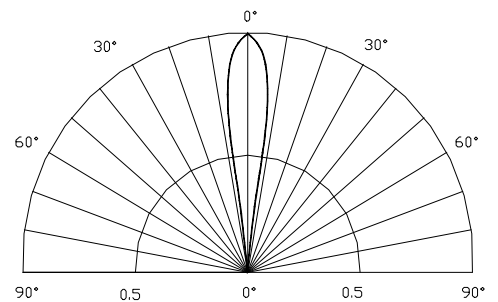
■ Absolute Maximum Rating

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

Item	Symbol	Value	Unit
		YG/Y/R	
DC Forward Current	I_F	30	mA
Pulse Forward Current#	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	72	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$	-

#Pulse width Max.10ms 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)			$\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$			$I_F=20\text{mA}$			
OSG8NW5113A	Yellow Green	YG		1.8	2.0	2.4	10	-	750	-	565	570	575	15
OSY5LW5113A	Yellow	Y		1.8	2.0	2.4	10	-	1200	-	585	590	595	15
OSR6LW5113A	Red	R		1.8	2.0	2.4	10	-	1200	-	630	640	650	15

*1 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

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

*3 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$