

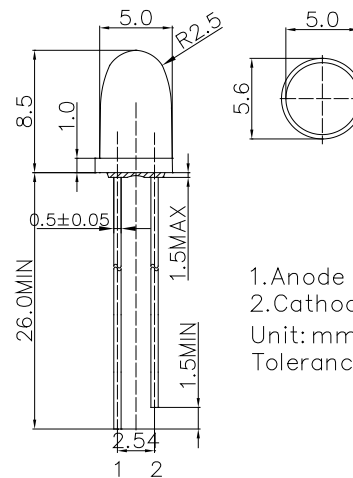
■Features

- High Luminous LEDs
- 5mm Bullet Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Color Transparent

■Applications

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



1. Anode
2. Cathode
Unit: mm
Tolerance: $\pm 0.20\text{mm}$

■Absolute Maximum Rating

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

Item	Symbol	Value		Unit
		B/G	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	78	mW
Operating Temperature	T_{opr}	$-40 \sim +85$		$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +85$		$^\circ\text{C}$
Lead Soldering Temperature	T_{sol}	$260^\circ\text{C}/5\text{sec}$		-

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

■Electrical -Optical Characteristics

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

Part Number	Color			V_F (V)*			I_R (μA)	I_V (mcd)*			λ_D (nm)*			$2\theta_{1/2}$ (deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				$I_F=20\text{mA}$			$V_R=5\text{V}$	$I_F=20\text{mA}$						
OSB5SA6233A	Blue	B		-	2.9	3.4	10	4200	5800	-	465	470	475	30
OSG5DA6233A	Pure Green	G		-	2.9	3.4	10	14400	18000	-	520	525	530	30
OSY5RU6233A	Yellow	Y		-	2.1	2.6	10	3000	4200	-	585	590	595	30
OSY5PA6233A	Yellow	Y		-	2.1	2.6	10	5800	7000	-	585	590	595	30
OSO5JA6233A	Orange	O		-	2.1	2.6	10	3000	4200	-	600	605	610	30
OSO5PA6233A	Orange	O		-	2.1	2.6	10	5800	7000	-	600	605	610	30
OSR5RU6233A	Red	R		-	2.1	2.6	10	3000	4200	-	620	625	630	30
OSR5PA6233A	Red	R		-	2.1	2.6	10	5800	7000	-	620	625	630	30

*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 $\pm 0.1\text{V}$

■Directivity

