

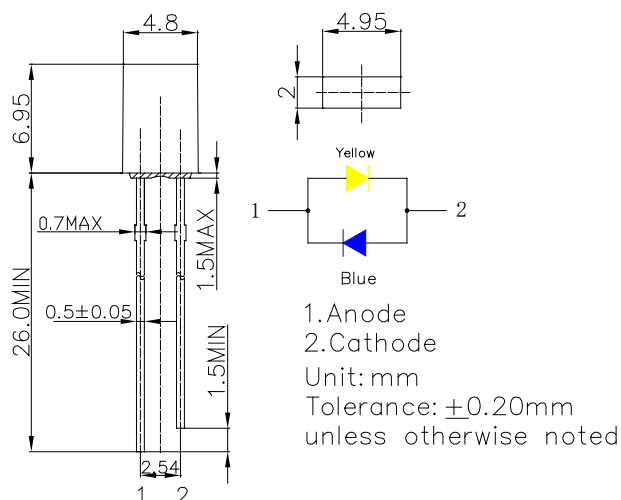
■Features

- High Luminous LEDs
- 2x5x7mm Rectangular Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
- Bi-polar

■Applications

- Indicate Lamp
- Toys/Games/ Audio
- General Use

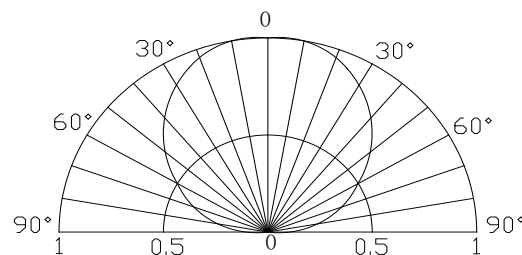
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		YL	BL	
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	78	102	mW
Operating Temperature	T_{opr}	-30 ~ +85		°C
Storage Temperature	T_{stg}	-40 ~ +100		°C
Lead Soldering Temperature	T_{sol}	260°C/5sec		-

■Directivity



#Pulse width Max.10ms Duty ratio max 1/10

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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F (YL)	$I_F=20\text{mA}$	-	2.1	2.6	V
	V_F (BL)	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	λ_D (YL)	$I_F=20\text{mA}$	585	590	595	nm
	λ_D (BL)	$I_F=20\text{mA}$	465	470	475	nm
Luminous Intensity*3	I_v (YL)	$I_F=20\text{mA}$	500	750	-	mcd
	I_v (BL)	$I_F=20\text{mA}$	330	500	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	120	-	deg

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

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

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

LED & Application Technologies

