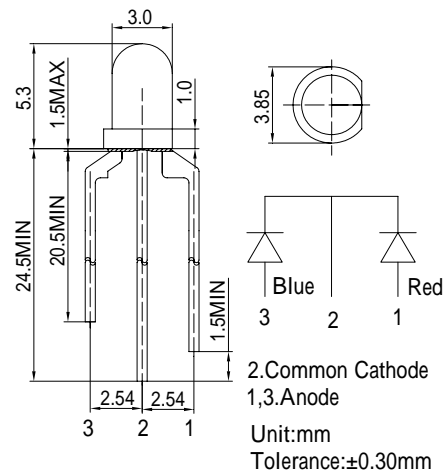


**■Features**

- High Luminous LEDs
- 3mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- White Diffused Type

**■Applications**

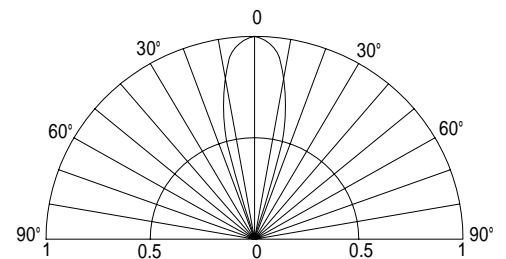
- Toys
- Games
- Audio
- Other Lighting

**■Outline Dimension**

**■Absolute Maximum Rating**

(Ta=25 )

Item	Symbol	Value		Unit
		Red	Blue	
DC Forward Current	$I_F$	50	30	mA
Pulse Forward Current*	$I_{FP}$	120	100	mA
Reverse Voltage	$V_R$	5	5	V
Power Dissipation	$P_D$	120	108	mW
Operating Temperature	$T_{opr}$	-30~ +85		
Storage Temperature	$T_{stg}$	-40 ~ +100		
Lead Soldering Temperature	$T_{sol}$	260 /5sec		-

\*Pulse width Max.10ms Duty ratio max 1/10

**■Directivity**

**■Electrical -Optical Characteristics**

(Ta=25 )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$ (Red)	$I_F=20mA$	1.8	2.1	2.4	V
DC Forward Voltage	$V_F$ (Blue)	$I_F=20mA$	2.9	3.1	3.6	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength*	$\lambda_D$ (Red)	$I_F=20mA$	619	624	629	nm
	$\lambda_D$ (Blue)	$I_F=20mA$	465	470	475	nm
Luminous Intensity*	$I_v$ (Red)	$I_F=20mA$	-	3300	-	mcd
	$I_v$ (Blue)	$I_F=20mA$	-	1500	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20mA$	-	30	-	deg

\*1 Tolerance of dominant wavelength is +1nm

\*2 Tolerance of luminous intensity is ±15%