

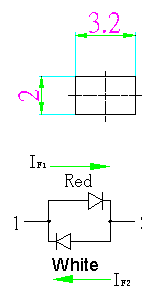
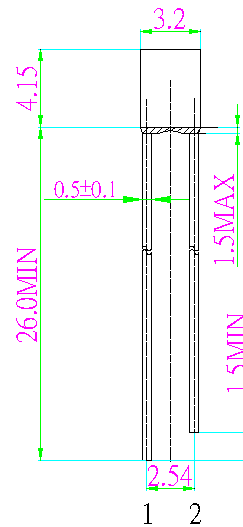
■Features

- High Luminous LEDs
- 2*3*4mm Rectangular Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- White Diffused Type
- Bi-polar

■Applications

- Toys
- Audio
- Games
- General Use

■Outline Dimension



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

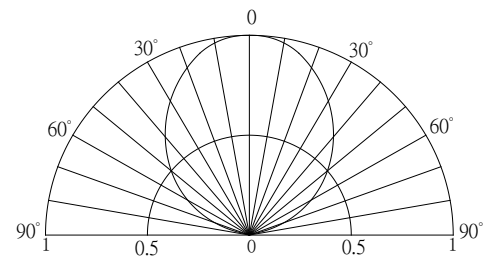
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	White	
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		-

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

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Color.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	Red	V _{F1}	I _{F1} =20mA	-	2.1	2.6	V
	White	V _{F2}	I _{F2} =20mA	-	2.9	3.4	V
Domi. Wavelength*2 / CCT*4	Red	λ _{D1}	I _{F1} =20mA	620	625	630	nm
	White	CCT 2	I _{F2} =20mA	2700	3000	3300	K
Luminous Intensity*3	Red	I _{v1}	I _{F1} =20mA	220	330	-	mcd
	White	I _{v2}	I _{F2} =20mA	330	500	-	mcd
50%Power Angle	Red	2θ _{1/2}	I _{F1} =20mA	-	100	-	deg
	White	2θ _{1/2}	I _{F2} =20mA	-	100	-	deg

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

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

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

*4 Tolerance of measurements of color temperature +10%