

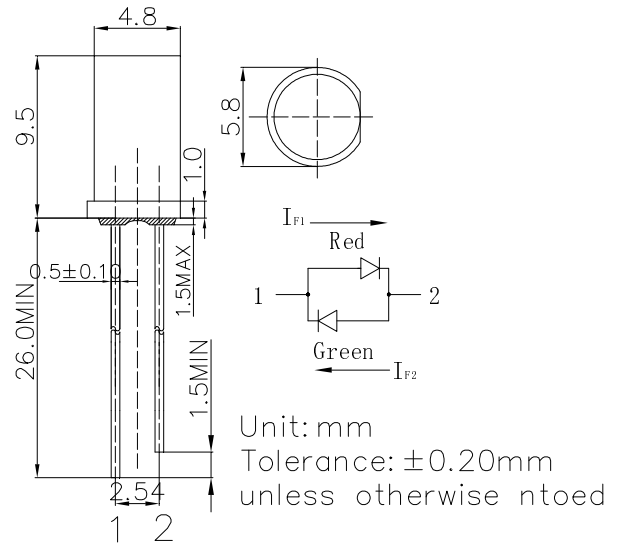
■Features

- High Luminous LEDs
- 5mm Cylinder Standard Directivity
- Long Lifetime Operation
- UV Resistant Epoxy
- Water Clear Type
- Bi-polar Type

■Applications

- Toys
- Audio
- Games
- Other Lighting

■Outline Dimension

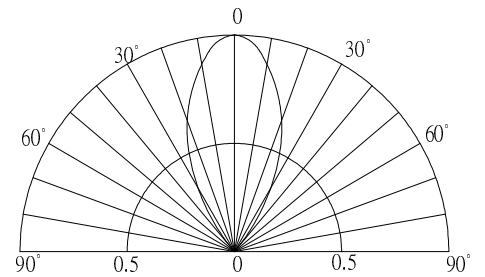


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		Red	Green	
DC Forward Current	I _F	50	30	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	130	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 (Red)	I _{F1} =20mA	-	2.1	2.6	V
	V _F (Green)	I _{F2} =20mA	-	2.9	3.4	V
Domi. Wavelength*2	λ _D (Red)	I _{F1} =20mA	620	625	630	nm
	λ _D (Green)	I _{F2} =20mA	520	525	530	nm
Luminous Intensity*3	I _V (Red)	I _{F1} =20mA	750	1120	-	mcd
	I _V (Green)	I _{F2} =20mA	2180	3000	-	mcd
50%Power Angle	2θ _{1/2}	I _{F1} =20mA	-	50	-	deg

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

*2 Tolerance of measurements of Domi. wavelength is ±1nm

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

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