

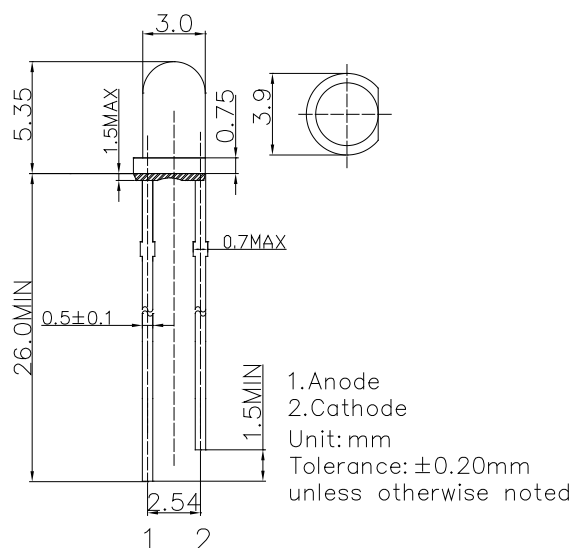
■ Features

- High Radiant Power LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- IrDA
- Encoder
- Data Communication
- IR Camera

■ Outline Dimension



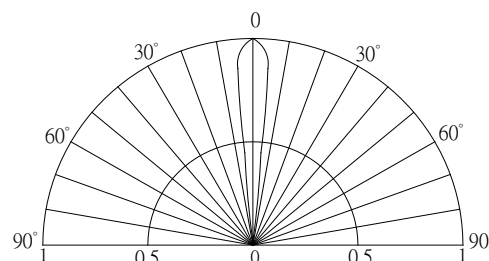
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	100	mA
Pulse Forward Current#	I _{FP}	300	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	200	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	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =50mA	-	1.6	2.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*2	λ _p	I _F =50mA	800	805	810	nm
Radiant Power*3	Φ _e	I _F =50mA	30	40	-	mW
Radiant Intensity*4	I _e	I _F =50mA	150	180	-	mW/Sr
50% Power Angle	2θ _{1/2}	I _F =50mA	-	15	-	deg

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

*2 Tolerance of measurements of peak wavelength is +1 nm

*3 Tolerance of measurements of Radiant Power is +15%

*4 Tolerance of measurements of Radiant Intensity is $\pm 15\%$