

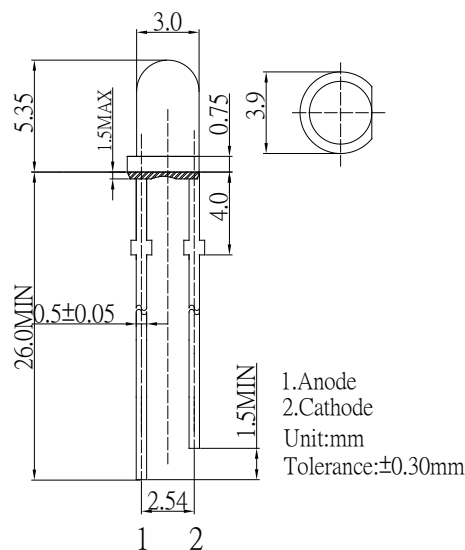
■Features

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

■Applications

- IrDA
- Encoder
- Data Communication

■Outline Dimension



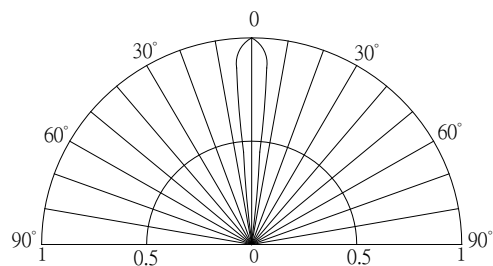
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	100	mA
Pulse Forward Current#	I_{FP}	1000	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	160	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 ≤ 100us, Duty ≤ 1/100

■Directivity



■Electrical –Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F=100mA$	-	1.35	1.6	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Peak Wavelength	λ_p	$I_F=50mA$	-	940	-	nm
Radiant Power	P_o	$I_F=50mA$	-	9	-	mW
Radiant Intensity	E_e	$I_F=50mA$	25	40	-	mW/Sr
50% Power Angle	$2\theta_{1/2}$	$I_F=50mA$	-	15	-	deg

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

*2 Tolerance of measurements of radiant intensity is +15%

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