

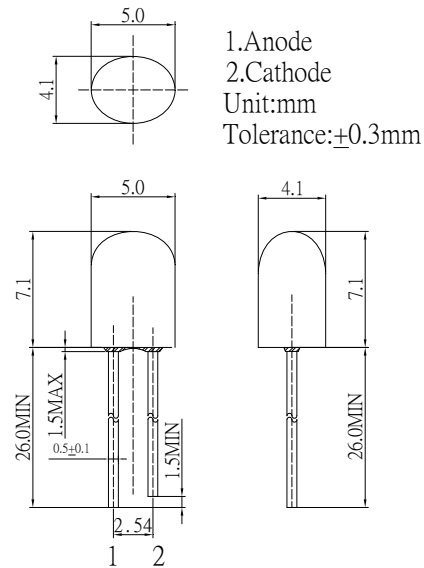
**■ Features**

- High Radiant Power LEDs
- 5.0x4.1mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Color Transparent Type

**■ Applications**

- IrDA
- Encoder
- Data Communication
- IR camera

**■ Outline Dimension**



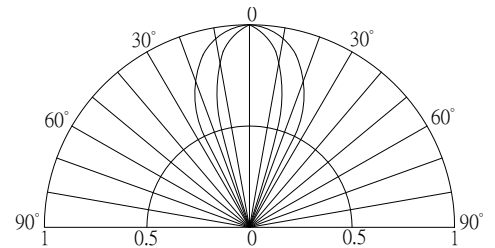
**■ Absolute Maximum Rating**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Value	Unit
DC Forward Current	$I_F$	70	mA
Pulse Forward Current*	$I_{FP}$	1000	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	126	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^\circ\text{C}$
Lead Soldering Temperature	$T_{sol}$	260 $^\circ\text{C}$ /5sec	-

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

**■ Directivity**



**■ Electrical -Optical Characteristics**

( $T_a=25^\circ\text{C}$ )

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=50\text{mA}$	-	1.6	1.8	V
DC Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	10	$\mu\text{A}$
Peak Wavelength	$\lambda_p$	$I_F=50\text{mA}$	-	940	-	nm
Radiant Intensity	$I_e$	$I_F=50\text{mA}$	25	35	-	mW/Sr
50% Power Angle	$2\theta_{1/2}$	$I_F=50\text{mA}$	-	55/30	-	deg

\*1 Tolerance of dominant wavelength is  $\pm 1$  nm

\*2 Tolerance of luminous intensity is  $\pm 15\%$