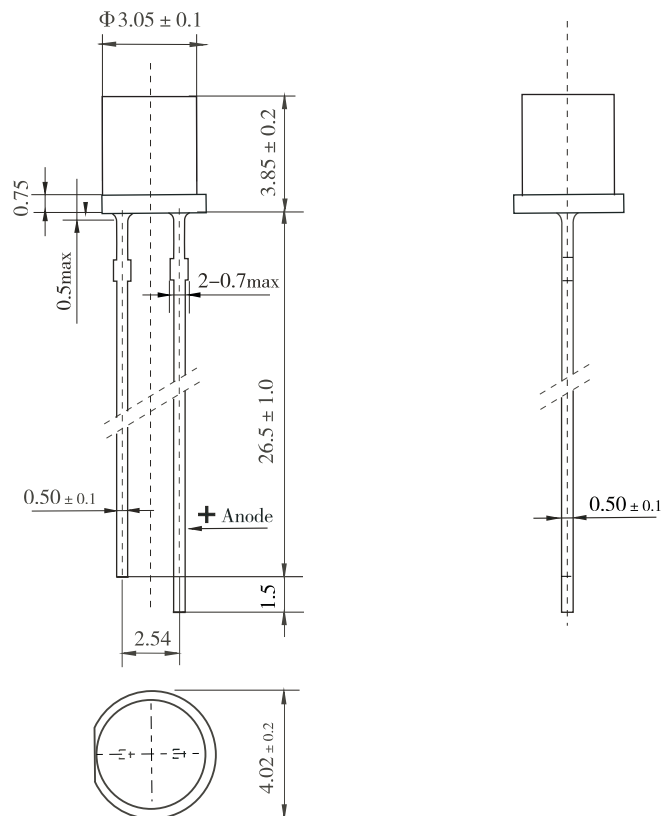


**FEATURES**

Low power consumption.  
High Efficiency  
Round type  
T1 (3mm) diameter  
With Flange  
Solder leads without stand-off  
Compliant with RoHS

**DESCRIPTIONS**

Chip Material: AlGaInP  
Emitting Color: Red  
Lens Color: Water Clear

**OUTLINE DRAWING****ATTENTION**

OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE DEVICES

Tolerance is  $\pm 0.25\text{mm}$   
Unless Otherwise Specified.

## ELECTRICAL OPTICAL CHARACTERISTICS ( Ta=25°C )

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Forward Voltage	$V_F$	-	2.0	2.3	V	IF=20mA
Luminous Intensity	$I_v$	100	200	-	mcd	IF=20mA
Peak Wavelength	$\lambda_p$		640		nm	IF=20mA
Spectral Line half-width	$\Delta\lambda$		20		nm	IF=20mA
Reverse Leakage Current	$I_R$			50	$\mu A$	VR=5V
Viewing Angle	$2\theta_{1/2}$		100		Deg	IF=20mA

## ABSOLUTE MAXIMUM PARAMETERS ( Ta=25°C )

Parameter	Symbol	Condition	Rating	Unit
Power Dissipation	$P_D$	---	72	mW
Reverse Voltage	$V_R$	IR=50 $\mu A$	5	V
Forward Average Current	$I_F$	---	30	mA
Temperature coefficient	I/C	---	0.4	mA/ °C
Pulse Current	IFP	Duty=1/10,1kHz	100	mA
Operating Temperature Range	Topr	---	-25 ~ +85	°C
Storage Temperature Range	Tstg	---	-30 ~ +100	°C
Soldering Condition	Tsd	---	265°C/5sec	°C

## NOTE:

Luminous Intensity Measurement allowance is  $\pm 10\%$ .

$2\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

The dominant wavelength is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.



