

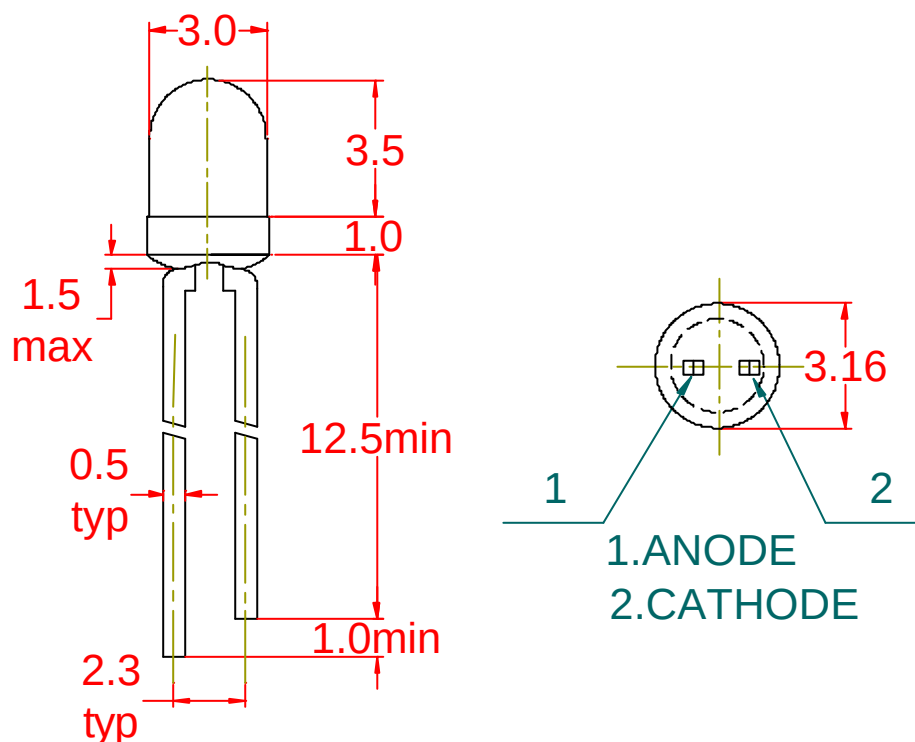
LED DATA SHEET

Part No.	LY31120		
Emitted Color	Yellow	Len's Color	Color Diffused

◆ Features:

3mm Round Small Flange resin mold type
Choice of various viewing angle
Chip material : GaAsP

◆ Package Dimensions:



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

◆ Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Max.	Unit
Power Dissipation	P_M	80	Mw
Pulse Forward Current (Duty 1/10 @ 1kHz)	I_{FP}	100	mA
Continuous Forward Current	I_F	30	mA
Reverse Voltage	V_R	6	V
Operating Temperature Range	T_{opr}	-25°C~85°C	°C
Storage Temperature Range	T_{stg}	-40°C~100°C	°C
Solder Temperature : 2.0mm From Body For 3 Seconds at 260°C			

◆ Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	--	10	--	mcd	$I_F = 10mA$
Forward Voltage	V_F	--	2.1	2.5	V	$I_F = 20mA$
Reverse Current	I_R	--		50	uA	$V_R = 5V$
Dominant Wavelength	λ_d	--	587	--	nm	$I_F = 20mA$
Peak Emission Wavelength	λ_p	--	587	--	nm	$I_F = 20mA$
Spectral Line Half Width	$\Delta \lambda$	--	30	--	nm	$I_F = 20mA$
Viewing Angle	$2\theta_{1/2}$	--	50	--	Deg.	$I_F = 20mA$

Note:

- 1、The luminous intensity data and λ_p is survey values with the machine JF- II、JS-2000.
- 2、 $2\theta_{1/2}$ is the clip angle at which the luminous intensity is half the axial luminous intensity.

◆ Typical Characteristic Curves:

