

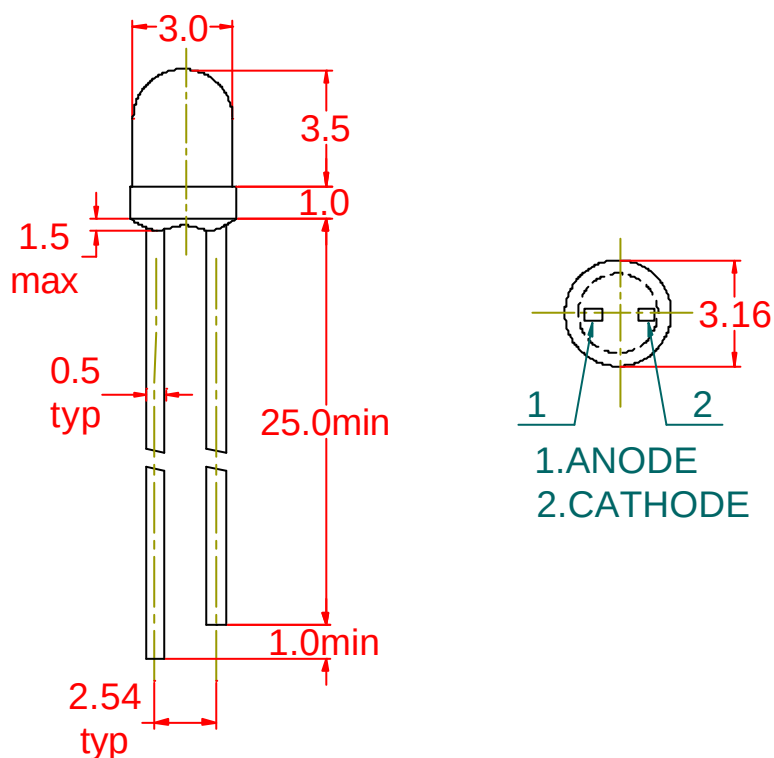
LED DATA SHEET

Part No.	LY31140		
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	Topr	-25°C~85°C	°C
Storage Temperature Range	Tstg	-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	Δλ	--	30	--	nm	I _F =20mA
Viewing Angle	2θ _{1/2}	--	40	--	Deg.	I _F =20mA

Note:

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

◆ Typical Characteristic Curves:

