DATA SHEET for LED

Part No.	LH30640	
Emitted Color	Lens Color	Chip Material
Red	Color Diffused	GaAsP/GaP

Absolute Maximum Rating of Each Segment (Ta = 25℃)

Parameter	Symbol	Maximum Rating	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
Operation Temperature	T_{opr}	－25℃ ~85℃	℃
Storage Temperature	T_{stg}	－40℃ ~100℃	℃
Soldering Temperature : 2.0mm from Body for 3 seconds at 260℃			

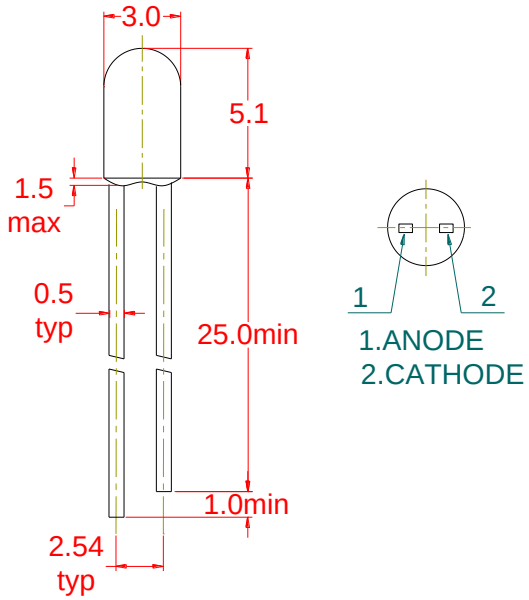
Electron-Optical Characteristics of Each Segment (Ta = 25℃)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V		3		mcd	I_F=20 mA
Forward Voltage	V_F		2.2	2.5	V	I_F=20 mA
Reverse Current	I_R			20	μA	V_R=5V
Dominant Wavelength	λ_d		660		nm	I_F=20 mA
Peak Emission Wavelength	λ_P		697		nm	I_F=20 mA
Spectral Line Half Width	$\Delta\lambda$		26		nm	I_F=20 mA
Viewing Angle	$2\Theta 1/2$		43		deg	I_F=20 mA

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 chip angle at which the luminous intensity half the axial luminous intensity.

Package Dimensions : 3mm Round without Flangeless resin mold type



Note : 1) All dimensions are in millimeters(mm)

2) Tolerance is ±0.25mm unless otherwise note

Typical Characteristic Curves :