

40*40 LED LIGHT DISPLAY

LIL-4040

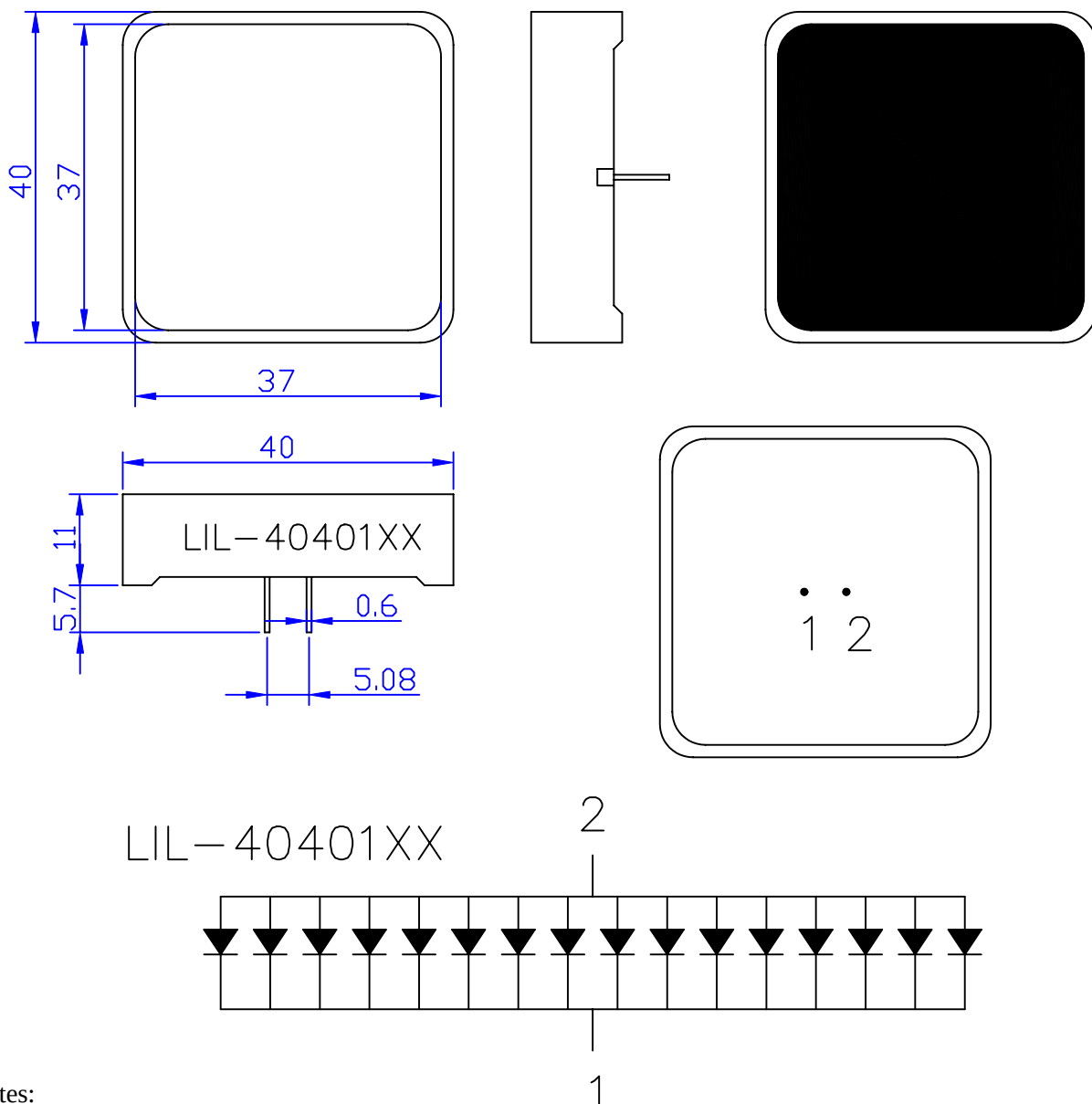
Features

- ◆ LARGE, BRIGHT, UNIFORM LIGHT EMITTING AREA
- ◆ CHOICE OF THREE COLOR
- ◆ EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- ◆ I.C. COMPATIBLE.
- ◆ MECHANICALLY RUGGED.
- ◆ FLUSH MOUNTABLE
- ◆ CATEGORIZED FOR LIGHT OUTPUT
- ◆ SUITABLE FOR MULTIPLEX OPERATION

Description

The rectangular light source designed, configured in a single-in-line and dual-in-line packages that contain either single or segmented light emitting.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
2. Specifications are subject to change without notice.

Electrical/Optical Characteristics at $T_A=25\text{ }^{\circ}\text{C}$

Symbol	Parameter	Red		Yellow		Green		Units	Test Conditon
		Typ.	Max	Typ.	Max	Typ.	Max		
λ_{peak}	Peak wavelength	627		590		565		nm	$I_F=20\text{mA}$
λ_D	Dominate wavelength	625		588		568		nm	$I_F=20\text{mA}$
$\Delta\lambda_{1/2}$	Spectral line half-width	45		35		30		nm	$I_F=20\text{mA}$
C	Capacitance	15		20		15		pF	$V_1=0\text{V}; F=1\text{MHz}$
V_F	Forward Voltage	2.0	2.5	2.1	2.5	2.2	2.5	V	$I_F=20\text{mA}$
I_R	Reverse Current		10		10		10	uA	$V_R=5\text{V}$

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

Parameter	Red	Yellow	Green	Units
Power Dissipation	105	105	105	mA
DC forward Current	30	30	35	mA
Peak Forward Current	160	140	140	mV
Reverse Current	5	5	5	V
Operation/Storage Temperature	-40°C to $+85^{\circ}\text{C}$			
Lead solder temperature	260°C for 5 Sec.			

Notes:

1. 1/10 duty cycle, 0.1ms pulse width.
2. 2mm below package base.