

1.0 " SINGLE DIGIT NUMERIC DISPLAY

LIN-10012XX SUPER YELLOW

LIN-10013XX SUPER YELLOW

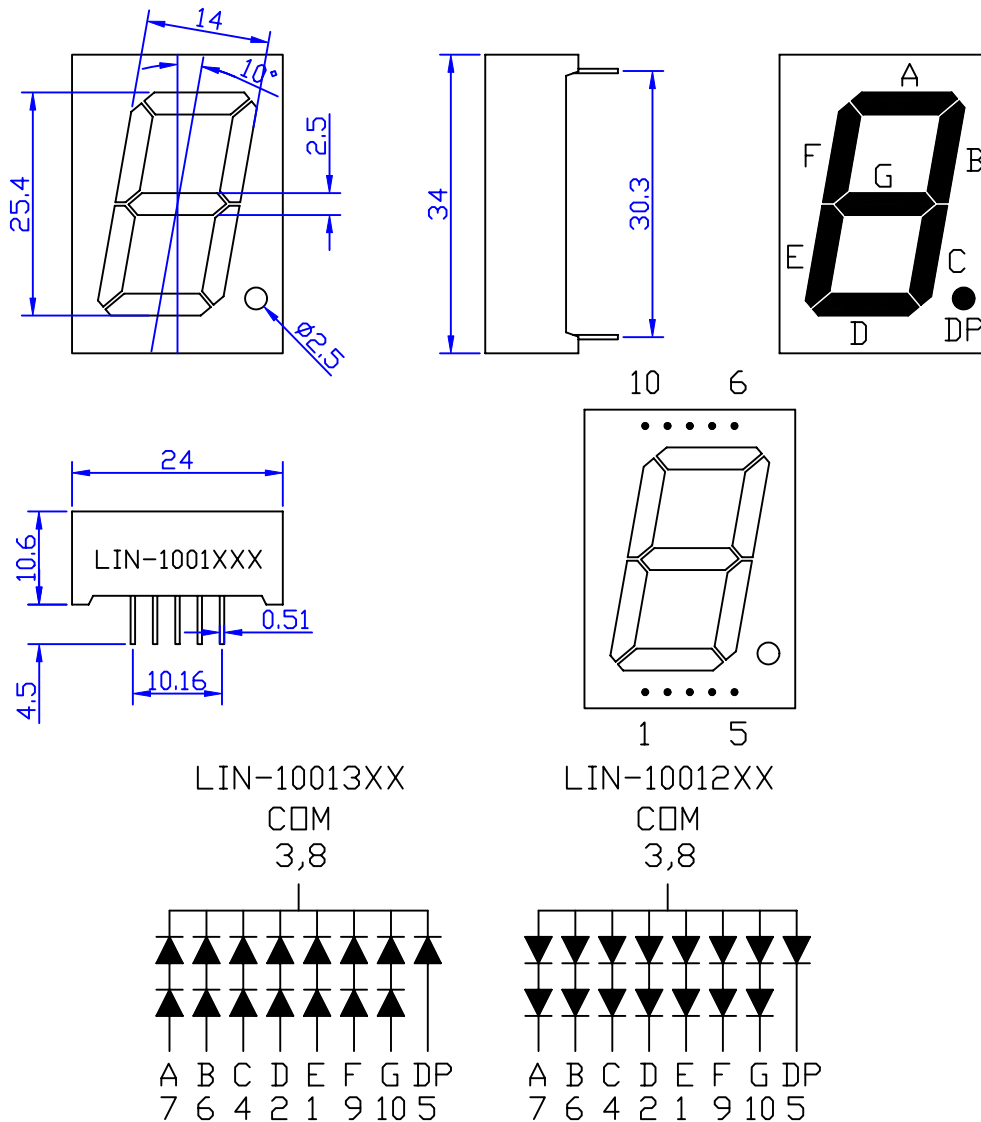
Features

- ◆ 1.0 " DIGIT HEIGHT
- ◆ EXCELLENT CHARACTER APPEARANCE
- ◆ EASY MOUNTING ON P.C.BOARDS OR SOCKETS.
- ◆ I.C. COMPATIBLE.
- ◆ MECHANICALLY RUGGED.
- ◆ STANDARD: BLACK /GRAY FACE, WHITE SEGMENT.

Description

The Super Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Super Yellow Light Emitting Diode.

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.

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

Parameter	Symbol	Yellow (GaAsP/GaP)	Unit
Continuous Forward current	I_{AF}	30	mA
Peak forward current (Duty	I_{PF}	100	mA
Reverse voltage	V_R	5	V
Operating temp.	T_{OPR}	-20~+85	$^{\circ}\text{C}$
Storage temp.	T_{STG}	-25~+85	$^{\circ}\text{C}$

*Soldering Bath : not more than 3 seconds @260 $^{\circ}\text{C}$. The bottom ends of plastic reflector should be at least 2 mm above the solder surface.

Soldering Iron : not more than 3 seconds @300 $^{\circ}\text{C}$ under 30 W.

ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25\text{ }^{\circ}\text{C}$)

	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$		2.1	2.8	V
Reverse Current	I_R	$V_R=5\text{V}$			100	μA
Luminous Intensity	I_v	$I_F=20\text{mA}$		85.19		mcd
Peak Emission Wavelength	λ_p	$I_F=20\text{mA}$		585		nm
	λ_D			589		
Spectral Line Half-Width	$\Delta\lambda$	$I_F=20\text{mA}$		35		nm
View Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$		22		deg