

1.80 " SINGLE DIGIT NUMERIC DISPLAY

LIN-18012XX SUPER GREEN

LIN-18013XX SUPER GREEN

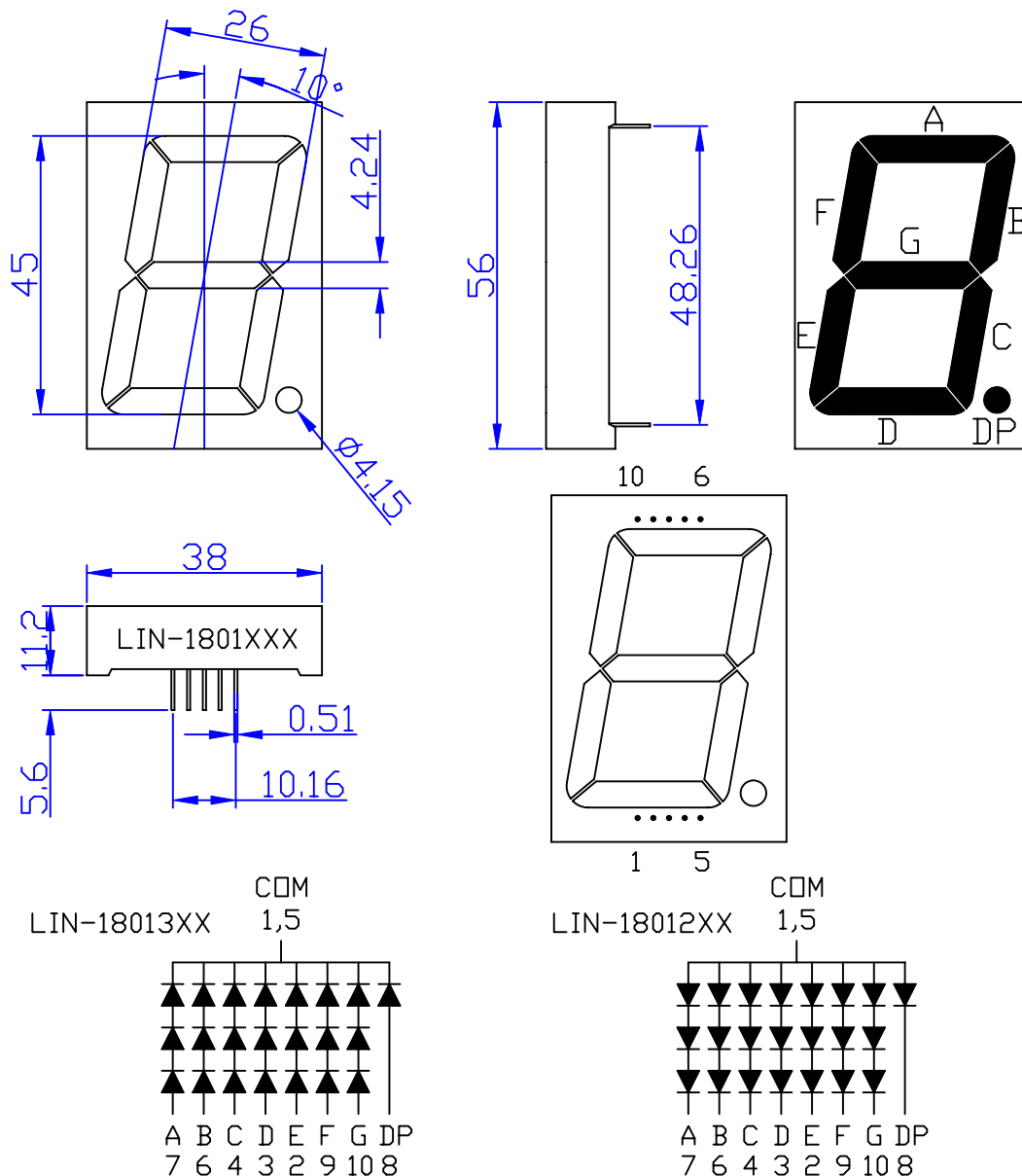
Features

- ◆ 1.80 " 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 Green source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Super Green 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	Green (GaP/GaP)	Unit
Power dissipation	P_{AD}	65	mW
Derating liner from 25°C	--	0.33	$\text{mA}/^{\circ}\text{C}$
Continuous Forward current	I_{AF}	25	mA
Peak forward current (Duty	I_{PF}	90	mA
Reverse voltage	V_R	5	V
Operating temp.	T_{OPR}	$-20\sim+85$	$^{\circ}\text{C}$
Storage temp.	T_{STG}	$-25\sim+85$	$^{\circ}\text{C}$

*Soldering Bath : not more than 5 seconds @ 260°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°C under 30 W.

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

	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$		2.04		V
Reverse Current	I_R	$V_R=5\text{V}$			100	μA
Luminous Intensity	I_v	$I_F=20\text{mA}$		41.7		mcd
Peak Emission Wavelength	λ_p Hue	$I_F=20\text{mA}$		570		nm
Spectral Line Half-Width	$\triangle\lambda$	$I_F=20\text{mA}$		30		nm
View Angle	$2\Theta\ 1/2$	$I_F=20\text{mA}$				deg