

1.0 " SINGLE DIGIT NUMERIC DISPLAY

LIN-10012XX ULTRA RED

LIN-10013XX ULTRA RED

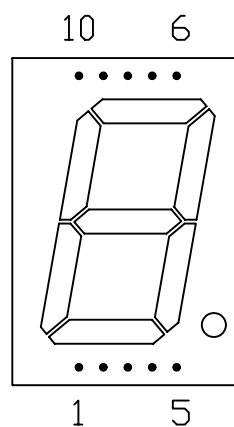
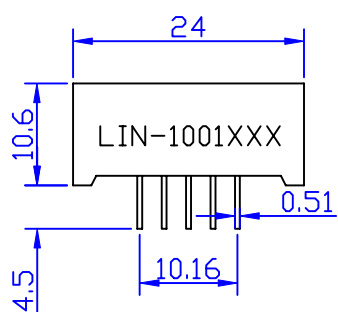
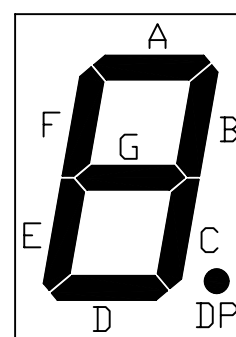
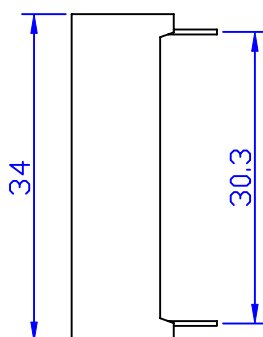
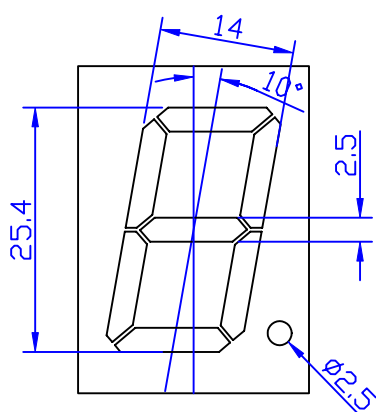
Features

- ◆ 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

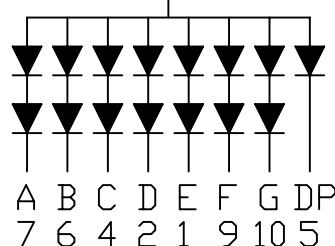
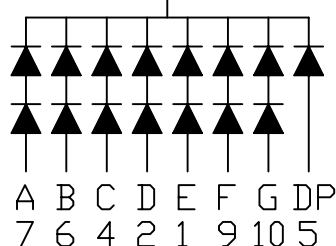
The Ultra Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Ultra Red Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



LIN-10013XX
COM
3,8

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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	Red (GaAlAs/GaAs,SH)	Unit
Continuous Forward current	I_{AF}	30	mA
Peak forward current (Duty	I_{PF}	200	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	$I_F=20\text{mA}$	1.8	2.0	2.2	V
Reverse Current	I_R	$V_R=5\text{V}$			100	μA
Luminous Intensity	I_v	$I_F=20\text{mA}$				mcd
Peak Emission Wavelength	λ_p	$I_F=20\text{mA}$		637		nm
	Hue			633		
Spectral Line Half-Width	$\triangle\lambda$	$I_F=20\text{mA}$		20		nm