

## 0.28 " THREE DIGIT NUMERIC DISPLAY

LIN-2832XX SUPER RED

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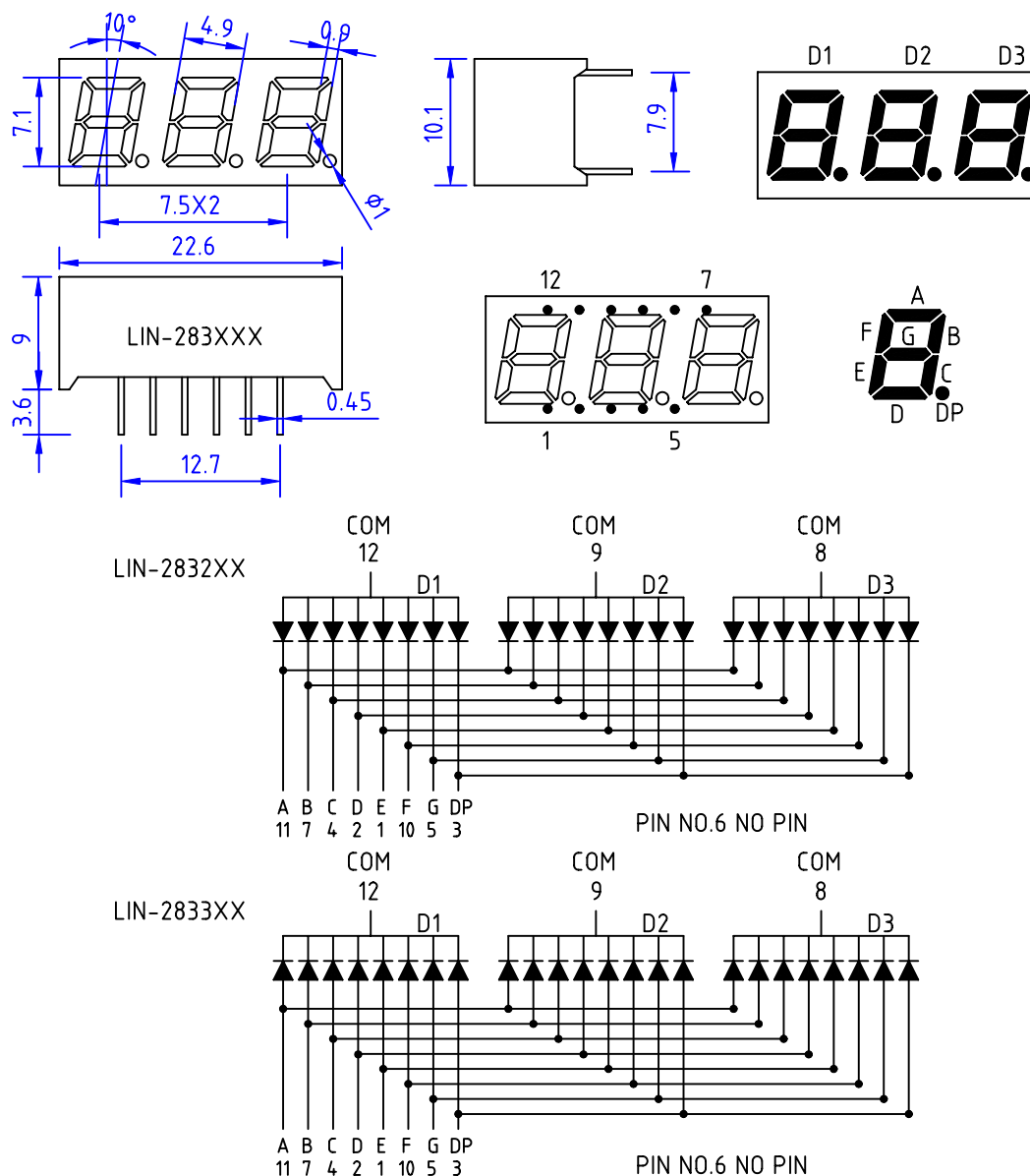
### Features

- ◆0.28 " 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 Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Super Red 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 ( $T_a=25^\circ\text{C}$ ) (Per Segment)

| Parameter                                     | Symbol    | Red<br>(GaAlAs/GaAs,SH) | Unit             |
|-----------------------------------------------|-----------|-------------------------|------------------|
| Continuous Forward current                    | $I_{AF}$  | 30                      | mA               |
| Peak forward current (Duty Cycle 1/10, 1/100) | $I_{PF}$  | 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 ( $T_a=25^\circ\text{C}$ )

|                          | Symbol          | Condition         | Min. | Typ.  | Max. | Unit          |
|--------------------------|-----------------|-------------------|------|-------|------|---------------|
| Forward Voltage          | $V_F$           | $I_F=20\text{mA}$ |      | 1.81  |      | V             |
| Reverse Current          | $I_R$           | $V_R=5\text{V}$   |      |       | 100  | $\mu\text{A}$ |
| Luminous Intensity       | $I_v$           | $I_F=10\text{mA}$ |      | 17.48 |      | mcd           |
| Peak Emission Wavelength | $\lambda_p$     | $I_F=20\text{mA}$ |      | 660   |      | nm            |
| Spectral Line Half-Width | $\Delta\lambda$ | $I_F=20\text{mA}$ |      | 20    |      | nm            |
| View Angle               | $2\Theta_{1/2}$ | $I_F=20\text{mA}$ |      |       |      | deg           |