



# Ginsbury

## PMLCM140RO

### 4" TFT Video Kit



#### General Specification :

##### Input Characteristic :

**Input Voltage** : 12VDC  $\pm$  1V

**Input Power** : 2.8W typical

**Input Signal** : 1.0Vpp composite video (meet EIA's RS-170A standard and PAL standard)

**User's control interface** (15 PINs)

##### Display Characteristic :

**Display technology** : a-Si Color TFT active matrix (Unipac's UP040D01)

**Display mode** : NW (Normally White)

**White chromaticity** : x = 0.30 , y = 0.35 (at view angle  $\theta=0^\circ$ )

**Screen size (diagonal)** : 4.05 inches

**Active display area** : 82.1mm x 61.8mm (W x H)

**Display Resolution** : 480 (W) x 234 (H)

**Number of pixels** : 480 x 234

**Dot pitch** : 0.171 (W) x 0.264mm (H)

**Color configuration** : RGB Delta

**Display colors** : Analog

**Gray scale** : Analog

**Backlight** : CCFL x 1

**Front Surface** : Anti-glare hard coating

**Brightness** (Luminance) : 250 cd/m<sup>2</sup> typical (210 cd/m<sup>2</sup> min.)

**Contrast Ratio** : 150 typical (60 min.) (at optimized viewing angle)

##### Viewing Angle :

Left/Right : +/- 45 deg. (H) (at CR $\geq$ 10)

Top/Bottom : +/- 10/30 deg. (V) (at CR $\geq$ 10)

**Response Time** : Tr = 50ms max. Tf=60ms max. (at view angle  $\theta=0^\circ$ )

**Inverter** : included

##### Module overall dimension (mm) :

96.0 (W) x 77.5 (H) x 6.5 (D) - LCD only

80.7 x 71.0 mm x 13mm – Driver Board (inc inverter)

**Weight** : 100 g (wt of driving board is 35g typ)

##### Environmental condition :

**Operating Temperature** : 0°C ~ +60°C

**Storage Temperature** : -25°C ~ +80°C

**Humidity** : 10% RH ~ 90%RH

**Vibration (with carton)** : 5 ~ 200 Hz Sweep Frequency

**Drop (with carton)** : 60cm at 1 corner, 3 edges, 6 surface