### 4.4” MIP Reflective Color LTPS TFT LCD

**Spec**

**General**
- LCD type: ECB, Full Reflective
- Diagonal size: 4.4”
- Resolution: 640RGBx480
- Active area: 89.664mm(H) x 67.248mm(V)
- Pixel Pitch: 46.7um(H)(Ave.) x 140.1um(V)
- PPI: 181.3

**Electrical**
- Interface (Note-1)
- Power Supply: VLCD=3V
- Power Consumption (Note-2):
  - Typ. 14μW @ MIP Static Image
  - Typ. 123μW @MIP 1fps Image
  - Typ. (250μW) @MIP 2fps Image Refresh
- SPI Max refresh frequency (2) Hz
- Color gamut: Typ. 23% (NTSC ratio)
- Contrast ratio: Typ.40:1
- Number of colors: 8 (1bit)
- Reflectance: 18%

**Mechanical**
- Glass size: 92.664mm(H) x 72.748mm(V) x 1.0mm(T)
- Module structure: LCD panel + FPC
- Module dimensions: 92.664mm(H) x 72.748mm(V) x 1.39mm(D)

**Feature**
- Feature: Memory In Pixel

**Schedule**
- Feature: Available

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**Features:**
- Ultra low power consumption
- 8 colors, SPI I/F
- Super high reflectance (18%)
- Ultra slim & compact design

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**Note-1:** Room Temperature, 3V drive
**Note-2:** Room Temperature, White Image

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Spec is subject to change without prior notice.