



## - New Products -

### 5,5" PM-OLED



#### Specification:

- |                |                        |                 |  |
|----------------|------------------------|-----------------|--|
| ▪ Resolution:  | 256 x 64 Pixel         | ▪ Interface:    | 8-bit 68XX/80XX Parallel,<br>3-/4-wire SPI |
| ▪ Color:       | Green (16 Gray Scales) | ▪ Driver IC:    | SSD1322 (Solomon Systech)                  |
| ▪ Panel Size:  | 146 x 45 x 2 mm        | ▪ Power Supply: | 2.4~3.5V (Device) /<br>18V (Display)       |
| ▪ Module Size: | 146 x 65 x 2 mm        | ▪ Assembly:     | Connector                                  |
| ▪ Active Area: | 135.65 x 33.89 mm      |                 |  |
| ▪ Pixel Pitch: | 0.53 x 0.53 mm         |                 |  |
| ▪ Duty:        | 1/64                   |                 |  |

### 0,95" & 2,7" PM-OLEDs



#### Specification: 0,95"

- Resolution: 69 x 64 Dots
- Color: 65.536 Color
- Module Size: 25.7 x 22.2 x 1.5 mm
- Viewing Area: 22.14 x 15.42 mm
- Active Area: 20.14 x 13.42 mm

#### Specification: 2,7"

- Resolution: 128 x 64 Dots
- Color: monochrome (yellow)
- Module Size: 89.7 x 47.2 x 3.4 mm
- Viewing Area: 63.41 x 32.69 mm
- Active Area: 61.41 x 30.69 mm

### 3,4" and 4,3" AM-OLEDs



#### Specification:

- Resolution: 480 x 272 Pixel
- Size: 3,4": 83 x 54 x 1,6 mm  
4,3": 103,5 x 67 x 2 mm
- Contrast ratio: 5000:1 - 10000:1.



- Viewing angle: > 170°
- Control data: CVBS, S-Video (optional), Analog RGB
- Input voltage: 12V

### ISTN LCDs



Intelligent Super Twisted Nematic (ISTN) incorporates a special liquid crystal polymer film as a second cell to compensate light dispersion resulting in a LCD display.



#### Standard modules available:

- Character type: **aMC 16 x 2**
- Graphic type: **aMG 128 x 64** and **122 x 32**

#### Advantages:

- wide viewing angles
- high brightness
- good contrast

#### Features:

- recommended B/L color: red, yellow-green, amber
- negative voltage on board



**- New Products -**

**Dynamic E-paper display for POP**

This dynamic new electronic display medium for retail **Point-of-Purchase** advertising combines the proven promotional effectiveness of motion with the visual appeal of ink-on-paper, to help retailers and marketers captivate customers and enhance brand equity.

**Benefits:**

- *New technology* - Unique.
- *Flexibility* - Thin, light and possible to bend. Flexible size and shape.
- *Power efficiency* - Extremely low power consumption. E.g. 2 standard AA type batteries last for up to 4-6 months.
- *Mobility/Various power source solutions* - Depending on users needs, various power sources can be applied: Std./button size/rechargeable lithium batteries, or AC adapter.
- *Animation without LCD or Plasma technology* - Does not produce any light. Only reflects the light in the surrounding area



- *Perfect contrast in bright environment* - The brighter the environment, the better contrast and animation effect. (as opposed to LCD or Plasma)
- *Excellent viewing angles* - Almost 180 degrees viewing angle on both x and y axis.

**Field Sequential Color (FSC) LCDs**



The FSC-LCDs eliminate the need for the color filter, allow increased resolution and make panel more efficient. It changes the display color by software only.

**Specification:**

- LCD Thickness: 0.55/0.7/1.1mm
- Operating Temp.: -20 ~ +70° C
- Storage Temp.: -30 ~ +80° C
- Drive Method: Static (Dot Matrix under development)
- Connection Method : Heat Seal/ Rubber/ COG/ TAB/ SMT
- View Direction : Available for all Viewing Angle



**Features:**

- Without color Filter
- Made of a STN LCD
- RGB LED backlight
- High Contrast and vivid color display
- Display pattern color change easily: by software
- Switch Color STN to Normal STN by switching OFF B/L
- Low cost: Efficient solution compared with CSTN

