

4.2" LCM ECO-Friendly Paper Display Reflective with Front Light



LCM ECO-Friendly Paper Display Reflective type

Front Light, BWR Color, 10.668 cm / 4.2"

- 4.2" Reflective TFT-LCD Module
- Front Light system unit
- HannStar Argentum Birefringence Display Technology
- Sunlight Readable, Anti-Glare
- Display Color B/W/R
- Resolution 300 x 400
- Wide temperature range -20°C ~ +70°C
- Interface: SPI
- Fast response time: 5 msec
- Eco-friendly
- Ultra-Low power consumption



The HSD042GPW1-90000E-MX is a color active matrix thin film transistor (TFT) liquid crystal display (LCD) that uses amorphous silicon TFT as a switching device.

It is a reflective-type display that operates in total reflection mode and consists of a TFT LCD panel, driving circuit, and front light system.

With a 4.2-inch diagonal measurement, the active display area features a resolution of 300 horizontal by 400 vertical pixels.

10.668 cm / 4.2"

Part No.: HSD042GPW1-90000E-MX



4.2" / 10.668cm



SPI Interface



Wide Temperature
-20°C ~ +70°C



Front Light
System



Sunlight
Readable



Resolution
300 x 400



Color B/W/R



5 msec



Ultra-Low Power
Consumption



Anti
Glare

4.2" LCM ECO-Friendly Paper Display Reflective with Front Light

Display Type	Reflective TFT-LCD Module with front light system unit
Diagonal	4.2" (10.668 cm)
Resolution	300 (H) x 400 (V) pixels
Display Color	BWR by 1 bit signal input
Outline Dimension	67.6 (H) x 95.1 (V) x 1.502 (D) mm
Display Area	63.6 (H) x 84.8 (V) mm
Pixel Pitch	0.212 (H) x 0.212 (V) mm
PPI	119 PPI
Viewing Angle, Light Source Off	60/60° H - 60/60° V
Viewing Angle, Light Source On	60/60° H - 30/30° V
White Luminance (Light Source On)	500 cd/m2 typ TBC
Contrast Ratio	15
Interface	SPI
Frame Rate	1 Hz
Response time, Light Source Off	5 msec (Typ.)
Response time, Light Source On	5 msec (Typ.)
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
Surface Treatment	HC (Hard Coating)
Power Consumption	0.245 mW
Weight	TBC
Declaration	RoHS Compliance & Halogen Free



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