



## **Overview**

LCD 2.0 can be used seamlessly in any lighting condition: from dark spaces to bright, direct sunlight. Sharp's reflective, MIP LCD technology enables Azumo's patented lightguide technology to deliver high quality images with ultra-low power consumption, extending the battery life of your device. The active matrix MIP LCD integrated with a highly efficient front light offers a superior user experience for a variety of applications where outdated, static HMI no longer suffices.

Less power compared to a backlit LCD
SPI interface for simple connectivity
Sufficient brightness as low as 6 mW
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Intrinsically safe with wide temperature range



View Mechanical Drawing

Sharp Display P/N	LS013B7DH0
Resolution	128 (H) x 128 (V
Active Area	23.04 mm (H) x 23.04 mm (V
PPI	14
Display Colors	B&V
Product Outline	27.46 mm (W) x 30.3 mm (H
Display Thickness	1.16 mr
Display Power Consumption (S	Static Image) 12 µV
Display Power Consumption (1)	Hz Update) 50μV
Display Power Supply Voltage	3.0V (Analog) & 3.0V (Logic
Response Time, Rise + Fall	10 + 20 m
Interface	SF
Front Light Power Supply Voltag	ge 3.0 V
Front Light Power Consumption	n <b>6-75 mV</b>
	n 6-75 m
Front Light Brightness, Typ	n 6-75 m 51 nits @ 60 mV
Front Light Brightness, Typ	51 nits @ 60 mV
Front Light Brightness, Typ Contrast Ratio - Native LCD	51 nits @ 60 mV
Front Light Brightness, Typ Contrast Ratio - Native LCD Viewing Angle - Native LCD	51 nits @ 60 mV 1 60/60° (H) & 60/60° (V

## \*Preliminary data. May be updated as testing continues. Latest update: 04/24/2024

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