E Ink Segmented Displays

Technical Spec Sheet

Monochrome Segmented Electronic Paper Displays

Visual Performance

Display Type	Reflective EPD
Imaging Component	E Ink Imaging Film
Colors	Black, White
Contrast Ratio	7:1 (average)
Reflective	41% (average)
Image Stability	Bi Stable
Viewing Angle	Near 180 degrees
Image Update Time	240 - 720 milliseconds

Physical Characteristics

Thickness	< 650 um
Border	2.5mm min. active to outer edge
Durability	Shatterproof

Power Requirements

Drive Voltage		15v typical or 5v optional
Power Draw	Image Static	Zero
	Image Update	12 microwatts/cm^2

Electronic Control

Drive Method	Direct drive one line/segment
Driver Availability	Dialog Semiconductor
	Solomon Systech

Environmental Characteristics

Operating Temp. Range	-10 to 60° C
Storage Temp. Range	-25 to 70° C
Humidity Tolerance	90% RH @ 40°C for 240 Hrs

Benefits:

- Segmented
- Ultra-Thin
- Rugged
- Flexible

E Ink Segmented displays are ultra-low power and rugged. E Ink's unique reflective display technology is sunlight readable and can display an image even with no power connected to it. This enables engineers and designers to add displays to products where power and space limitations have made it impossible to do so before.

Divided into discrete segments, E Ink displays can be controlled individually to convey information using letters, numbers and icons. Creative layouts enable overlapping images and unique fonts. The result is a black and white display with the readability of paper that is less than 60-microns thick.

For additional information please contact sales@eink.com