

The most advanced generation of ePaper displays.

### Visual Performance

Display Type	Reflective Electrophoretic
Imaging Component	E Ink Carta ePaper Display Film
Contrast Ratio	15:1 (min)
White State (L*)	74 (min)
Dark State (L*)	19 (max)
Color Resolution (# Bits)	1-Bit (B&W);4-Bit (16 Gray Levels)
% Reflectance	44%
Viewing Angle	Near 180°
Image Update Time	120 msec (1-Bit)
Update Modes	Full & Partial Page Update, Pipelined

### Module Drive Electronics

Switching Voltage	+/- 15 Volts
Drive Method	Active Matrix, TFT
Electronic Partners	Epson
	Texas Instruments
	Marvell
	Maxim Integrated
	Freescale Semiconductor

### Module Environmental and Lifetime Characteristics

Operating Temp.	0 to 50°C
Storage Temp.	-25 to 70°C
Service Life	10 million switches or 5 years

### Module Display System

Available Display Sizes	1.44 to 13.3 in
Display Modules	E Ink Mobius Flexible Display, as well as Glass TFT
Display Thickness	Approx 1.2mm, depending on choice of TFT
Display Resolution	Greater than 300 dpi

### Benefits

- Superior Readability
- Rapid Page Turns
- Low Power

### Improved Contrast Ratio

Dramatic 50% contrast ratio improvement over E Ink Pearl™ ePaper displays and 100% improvement over previous generation E Ink ePaper displays, providing remarkably improved user experience through enhanced readability. With E Ink Carta™ ePaper product, the white is whiter and the black is darker, resulting in the best quality contrast ratio E Ink has ever delivered to the market.

### Elimination of Full Page Refresh

The new E Ink Regal™ Waveform product improves viewing experience through the reduction or elimination of full page refresh with every image update.

### Applications

E Ink ePaper displays enable delivery of content to a wide range of surfaces and applications including:

- eReaders
- Mobile Devices (Smart Phones, Mobile Phone Cases)
- Electronic Shelf Labels
- Digital Signage (Large & Small Scale)
- Medical & Fitness Information Devices
- Wearable Electronic Devices

For additional information please contact [sales@eink.com](mailto:sales@eink.com)