GLYN Newsletter
High-Tech Distribution

## News Highlights – March 2007:



### EDT Introduces New TFT Modules from 1.8" to 5.7"

Emerging Display Technologies (EDT), available through GLYN High-Tech Distribution, has announced the release of its new set of TFT modules ranging from 1.8" to 5.7". Please see table below for more details.

Datasheets for the new TFT modules are available now or soon from GLYN on request. Samples and demo boxes are expected to be available in April 2007.


| TYPE | SIZE | RESOLUTION | REMARKS |
|---|---|---|---|
| ET018003DMU | 1.8" | 167 x 220 | With controller, new version of the present 1.8" TFT but with higher resolution |
| ET020003DMU | 2.0" | 176 x 220 | With controller |
| ET020002DMU | 2.0" | 240 x 320 | With controller, a QVGA version of the existing 2.0" TFT (176 x 220) |
| ET022002DMU | 2.2" | 240 x 320 | With controller |
| ET024001DMU | 2.4" | 240 x 320 | With controller |
| ET028000DMU | 2.8" | 240 x 320 | With controller, brand new module |
| ET032000DM9 | 3.2" | 240 x 320 | With controller, brand new module |
| | | | |
| ET035006DM6 | 3.5" | 320 x 240 | |
| ET035007DM6 | 3.5" | 320 x 240 | |
| ET035008DM6 | 3.5" | 320 x 240 | One chip solution, has a graphic controller on the panel so no need for external controller at similar price range as present 3.5" TFT |
| | | | |
| ET043000DM6 | 4.3" | 480 x 272 | Note the video resolution, not QVGA |
| | | | |
| ET057002DM6 | 5.7" | 320 x 240 | Improved backlight (400 cd/$m^2$ vs 250 cd/ $m^2$), improved polariser giving better viewing angle at no extra cost |
| ET057003DM6 | 5.7" | 320 x 240 | Improved backlight (400 cd/$m^2$ |

| | | | |
|---|---|---|---|
| | | | vs 250 cd/ $m^2$), improved polariser giving better viewing angle at no extra cost |
| ET057005DMU | 5.7” | 640 x 480 | Full VGA version of 5.7” |

## Maxwell Ultracapacitor Modules Empower Heavy Hybrid And Electric Vehicles

By combining its Boostcap ultracapacitors with cell balancing, monitoring, and thermal management components, Maxwell Technologies, available from GLYN High-Tech Distribution, has developed 125V ultracapacitor modules that can provide energy storage and power delivery in heavy duty hybrid vehicles, electric vehicles, and industrial equipment. In target applications such as hybrid buses and trucks, and in electric rail vehicles, the HTM BMOD0063P125 modules will be used to recover braking energy and provide torque assist. Industrial applications include hybrid cranes and fuel cell powered forklifts where the modules can satisfy peak power requirements.

“It [the module] meets or exceeds transportation industry requirements for watthours of energy storage and watts of power delivery per kilogram, and is designed to perform reliably through one million or more deep charge/discharge cycles, which equates to more than 15 years of operational life,” says Dr. Richard Balanson, Maxwell’s president and chief executive officer. The 125V modules serve as building blocks in the target applications. Up to 12 modules may be connected in series to accommodate operating voltages as high as 1500 V. The HTM BMOD0063125 units are similar to the company’s existing modules, but use larger, 3000F ultracapacitors. Integrated monitoring capabilities and forced air cooling enable the new modules to sustain continuous currents up to 150 A with minimal temperature increase in high temperature environments.

“In addition to managing high current, this module is built to withstand the harsh environments and extremely demanding duty cycles that are typical with heavy transportation applications,” says Michael Everett, Maxwell’s vice president and chief technical officer. “Proprietary design refinements and material science also are significantly reducing manufacturing cost, positioning Maxwell to compete favourably with other energy storage alternatives.”

The HTM BMOD0063125 is encased in a rugged, splash-proof, IP 65 compliant, aluminium chassis, weighs less than 50 kg and measures 315 mm x 425 mm x 744 mm.

For the complete datasheet, see http://www.maxwell.com/ultracapacitors/products/index.asp.

*Source: Power Electronics Technology, 3 January 2007*

## 2.4GHz Antennas for ZigBee, IEEE802.15.4, Bluetooth and WiFi Applications Now Available from GLYN

To complement our ZigBee, IEEE802.15.4 and Bluetooth wireless products and to add to our GSM and GPS antenna range, GLYN is now offering a wide range of high quality 2.4GHz antennas at competitive prices.

PDF copies of our catalogues for our 2.4GHz antenna and GSM & GPS antenna product range are downloadable from the links below.

2.4GHz Antennas Catalogue

GSM & GPS Antennas Catalogue

For pricing and availability of our antenna products, please send your enquiry to sales@glyn.com.au

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