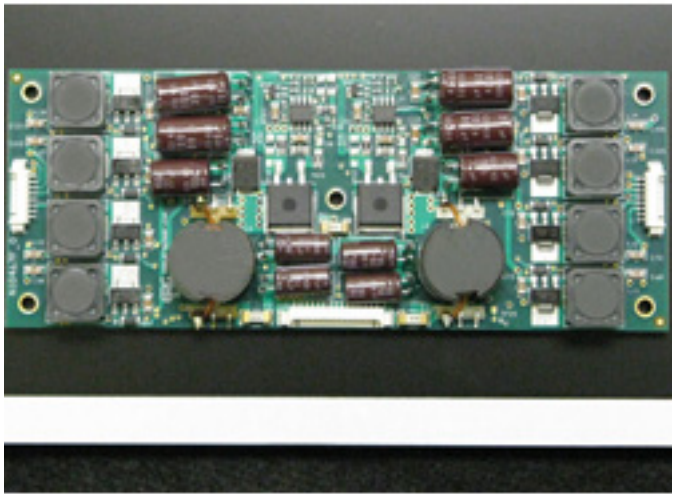
Driver Powers Multiple Strings of LEDs for LCD Backlighting



LCD backlight power specialist Endicott Research Group (ERG) has introduced a new LED driver that can simultaneously and efficiently power up to 8 strings of high brightness LEDs (HBLEDs).

The new Smart Force SFD2C Series is a full-function LED driver board that features a dual output that provides a total maximum current of 1200 mA -- 600 mA per side -- for high efficiency power to LED backlights used in LCDs up to 24” diagonal.

Ideal for LED backlights utilizing larger HBLEDs, the SFD2C can power up to 4 strings of HBLEDs per side with a maximum current of 150 mA per string. It features a wide input voltage design (10-20V), 60V maximum output voltage, and provides a total 50W of power (25W per side).
The SFD2C offers onboard and external PWM dimming, with dimming ratios up to 5000:1 achievable, along with separate brightness and enable controls. It measures 2.20” x 5.61” (55.9 x 142.5 mm), and is less than 15 mm high.

Available as standard product from ERG, the SFD2C can be used with OEM LED panels as well as with ERG’s new series of multiple-string HBLED rails which provide thermal management superior to any other technology on the market. It is designed, manufactured, and supported in the USA.

Pricing for the SFD2C is approx. $50.00 in production quantities. Delivery is typically 4-6 weeks A.R.O.

For more information, visit www.ergpower.com [1], or contact Endicott Research Group (ERG), Inc., 2601 Wayne St., Endicott, NY 13760, USA. Tel: 607-754-9187;

(toll-free: 800-215-5866); Fax: 607-754-9255; E-mail: backlight@ergpower.com [2].

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[1] http://www.ergpower.com
[2] mailto:backlight@ergpower.com