LED driver capable of driving small arrays of LEDs at a constant current

Phihong USA has developed a new, low-cost, fixed-prong, wall-plug adapter style LED driver capable of driving small arrays of LEDs, like those in personal lighting applications, at a constant current. Available in outputs of 350mA, 700mA, and 1000mA, the PDA006A-S adapter series is intended for use in a variety of personal lighting applications, including table lamps, desktop lamps, and reading lights.

Designed for use in North American applications, the wall-plug adapter style LED drivers are compatible with a nominal input voltage range of 110 to 120VAC. Standard features include input over-current, output over-voltage, short-circuit, and open-circuit protections, as well as power factor correction 0.9. The PDA006A-S series also features a no-load power draw of 300mW, meets all of the requirements for Level V efficiency markings, and is designated as Class 2 per UL1310 and UL8750 safety guidelines.

Each unit measures 66.5mm x 31mm x 38mm, weighs just 40g, and is designed for use in dry, indoor environments with temperatures ranging from 0-40°C. The standard termination for the adapter's DC cord is a 2.1mm x 5.5mm center positive barrel connector; however, Phihong offers an in-house service to change DC tips with no minimum order quantity.

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Source URL (retrieved on *12/12/2013 - 4:16am*):
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