

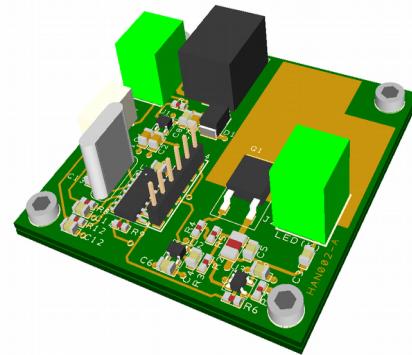
Hanchett Electronics

Serial LED Driver

HAN-002

Description

The Hanchett HAN-002 Serial Controlled Linear LED Current Sink is designed to provide a constant current drive in the range 2mA to 500mA. The driver is supplied as an assembled and tested PCB.



Applications

Fluorescence Imaging
Illumination

Features

- Current set-able in 2mA steps
- Current Feedback Measurement
- TTL serial interface for microcontrollers or USB UART
- 57600 Baud serial interface with human readable commands
- Screw Terminals
- 2.1mm DC socket and screw connections for power input

Specification

Supply Voltage	4.5V to 9V
Max LED Current	0.5A
Serial Interface	5V TTL 2 wire RX/TX
Data Format	57600buds 8data bits 1 stop bit no parity, no flow control
Terminating	Carriage Return + Line Feed (0x0D+0x0A)
Operating Temperature	5° to 45° C
Storage Temperature	-45° to 85° C
Regulatory Requirements	PCB, components and solder are RoSH compliant, i.e. PB Free.

Command Syntax

Measure<CR><LF>	returns nnn<CR><LF> LED Current
Continuous Measure<CR><LF>	terminated by sending <CR><LF>
Set LEDCurrent[=nnn]<CR><LF>	returns SET LEDCURRENT=old ->nnn
LEDOn<CR><LF>	returns DAC,Current
LEDOff<CR><LF>	returns DAC,Current
h<CR><LF>	help (this page)
#<CR><LF>	serial number
*<CR><LF>	reset cpu

Note: LED current steps are approx 1.96mA This may be changed on request at order time.

