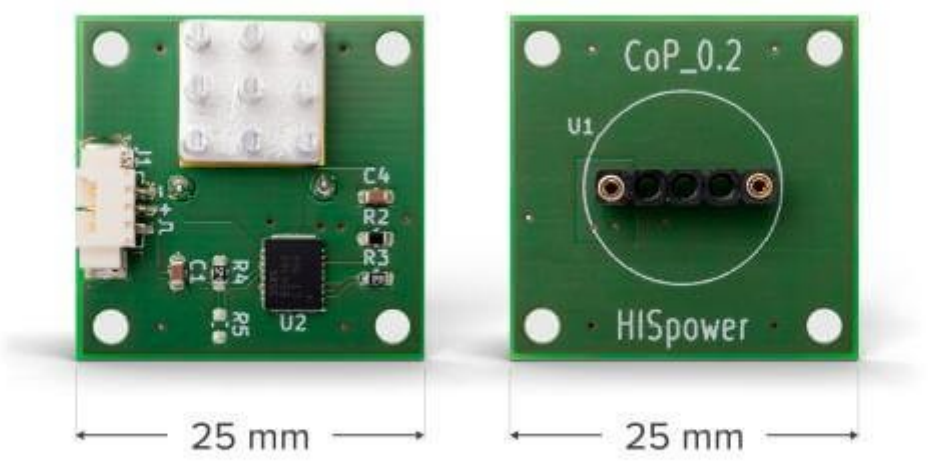
Driver Circuit Board DCB.8.2500



Driver circuit board for a quick evalution of HISpower series IR emitters

The Driver Circuit Board supports a quick evaluation of our IR emitters. Only a supply voltage and a pulse signal have to be applied to the 3-pin Molex PicoBlade 1.25 mm connector. For more information about its function, see our technical note.

Product Name: DCB.8.2500
Product type: Driver Circuit Board
Drive power: 2500 mW
Input Voltage range: (4.3 ... 6) V
Pulse signal voltage Low/OFF: (0 ... 1) V
Pulse signal voltage High/ON: 1.5 V ... V_in
LDO regulator U1: LT3086
Product code: 155804

Product details

Accessories

For an easy evaluation and optimal implementation of our infrared emitters in different applications we offer an extensive range of Breakout Boards (BOB) and Driver Circuit Boards (DCB). The Breakout Board transfers the SMD footprint to 2.54 mm headers which allows an easy electrical contacting. All Driver Circuit Boards support a quick evaluation. They are small and use a low-cost driving circuit with a maximum stability close to a power regulated mode. Only a supply voltage and a pulse signal have to be applied.

HISpower series

High-power infrared sources in TO-8 housing

HIS*power* series emitters have an integrated gold-plated reflector that directs the radiation emitted from the rear filament side to the front through the housing window in order to achieve maximum efficiency and optical output power. All our emitters offer minimum drift at a constant electrical resistance. Infrasolid's infrared emitters are characterized by a very low temperature coefficient of electrical resistance. Therefore, the hot resistance and the cold resistance are almost identical which eases the electrical control of the IR sources. Infrasolid's advanced packaging technology SOLIDSEAL® allows soldered sapphire, CaF_2 and BaF_2 windows for use in a wide temperature range of -25 °C up to +85 °C.

Key features HISpower series

- Pulsable thermal infrared source mounted in an industry standard TO-8 package
- Patented nanostructured radiating element generates black-body spectrum
- Wide wavelength range enables a broad range of applications
- Highest optical output power of up to 1 W
- Soldered, high-quality filter windows guarantee long-term stable operation and high lifetime

The online shop

Quantity (pieces)	Price (per piece)
1-24	CHF 66.08

Stock: **2**