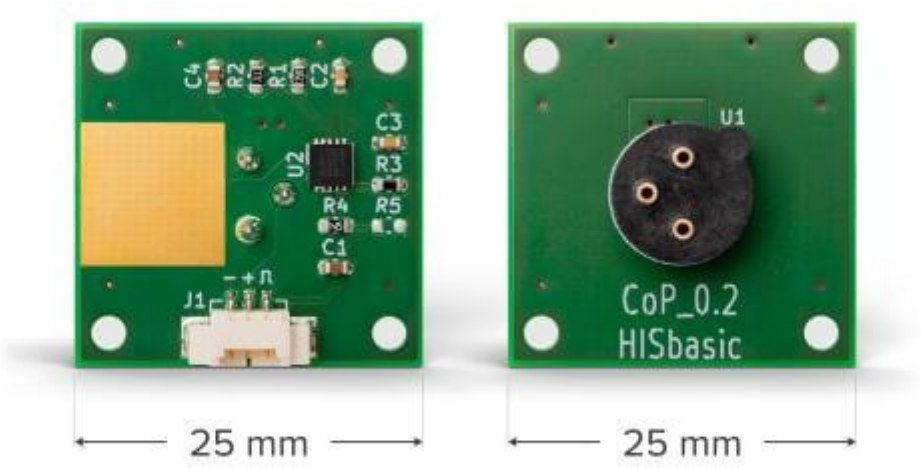
Driver Circuit Board DCB.39.700



Driver circuit board for a quick evalution of HIS*basic* 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.39.700
Product type: Driver Circuit Board
Drive power: 700 mW
Input Voltage range: (4.3 ... 10) V
Pulse signal voltage Low/OFF: (0 ... 1) V
Pulse signal voltage High/ON: 1.5 V ... V_in
LDO regulator U1: LT3065
Product code: 155681

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.

HISbasic series

Black-body infrared sources in TO39/TO5 package

HIS*basic* series emitters have an integrated gold plated reflector that directs the radiation emitted from the rear to the front in order to achieve maximum efficiency. All our emitters offer minimum drift at a constant electrical resistance. Infrasolids IR 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 infrared radiation sources are pulsable thermal emitters with a near black-body emittance. Based on a patented nanotechnology and a patented emitter set-up made of a high-melting metal, the free-standing monolithic radiating element and the nanostructured emitter surface offer numerous advantages in many applications.

Key features HISbasic series

- Pulsable thermal black-body infrared source mounted in an industry standard TO-39/TO-5 package
- Patented nanostructured radiating element achieves up to 500% more detection signal!
- Lower radiating element temperature of 600 °C increases lifetime!
- Wide wavelength range enables a broad range of applications

The online shop

Quantity (pieces)	Price (per piece)

1-24 CHF 66.08

Stock: **2**