

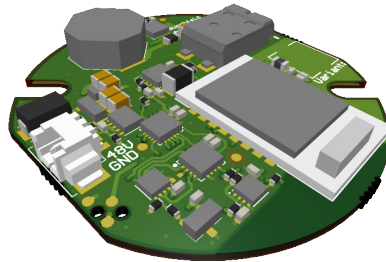
LED CC Driver Round Casambi by buschfeld

performance parameters

	Article No.
500 mA	6169
950 mA	6204

- Over-the-Air programmable constant current 1 channel LED driver
- Controllable via **CASAMBI**

Illustration



Description

This device is developed for any kind of constant current LED applications and enables control via Casambi. It converts Constant Voltage to Constant Current, has 1-Channel and its output is programmable via Casambi in 1 mA steps. The benefit is a smooth Dimming without artefacts via constant current reduction in continuous conduction mode at dimming levels >1%. below 1% of lout the dimming methode switches to PWM @ 2kHz.

Pseudorandom Pulse Code Modulation at very low LED currents <1% instead of PWM

Features

- wide input voltage range
- inrush current limiter
- Protections: short circuit, reverse polarity, overheat *1, suppress voltage peaks up to 400 W Peak pulse power
- current settable in 1 mA steps
- real-time measurements showed in detail view: In- and Output Voltages, PCB temperature (hottest spot), LED current setting, Device status for errors e.g. over- and under voltage, no LED connected, LED short circuit,
- typical applications: COB, CSP LEDs, Light Engines, standard socket constant current LEDs, deco fixtures

Technical Ratings

	Article no. 6169	6204
Current	500 mA	950 mA
Input Voltage Typical	12 to 48 V DC	12 to 48 V DC
Input Voltage Condition	Vin > V_LED+5V	
Input Voltage Maximum	10 to 52 V DC	10 to 52 V DC
Output Voltage	5V to Vin-5V	
LED Current	0 - 500 mA (+/- 2,5mA) precision of adjustment: settable in 1mA steps via Casambi	500 - 950 mA (+/-2,5mA) precision of adjustment: settable in 1mA steps via Casambi
Power Dissipation	max 2 W @ max. load 0,05 W standby consumption	max 3 W @ max. load 0,05 W standby consumption

Humidity 20-70%
Storage Temperature -40°C to 85°C
Operating Temperature *1 0°C to 80°C

Note *1 If the operating temperature exceeds 85°C, the driver turns off and checks the temperature every minute and turns on automatically if the temperature is below 70°C.
*2 Use true DC Power supplies with constant voltage only
Use in insulated housing only.

Applications that exceed the driving temperature values shown on this document will void the Buschfeld Driver warranty. RMAs will be refused and no replacement electronics or account credits will be made available. This specification sheet covers both device variants, 500 mA and 1 A.

Certifications / Label



buschfeld

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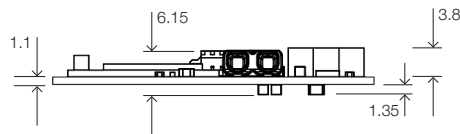
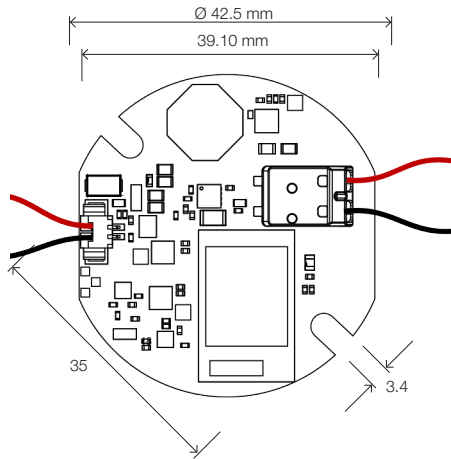
dimensions

	Article No
500 mA	6169
950 mA	6204

Dimensions

drawing Top Side (Scale 1:1)

drawing right side (scale 1:1)



Clamp Notes (Adels SMDblank/ 1)

1. Wire Gauge min 0,08 mm²
2. Wire Gauge max 0,5 mm²
3. stripping length 0,8-0,9 mm
4. For more information please refer to:
<https://www.adels-contact.com/data/katalog/montage/SMDBLANK.pdf>