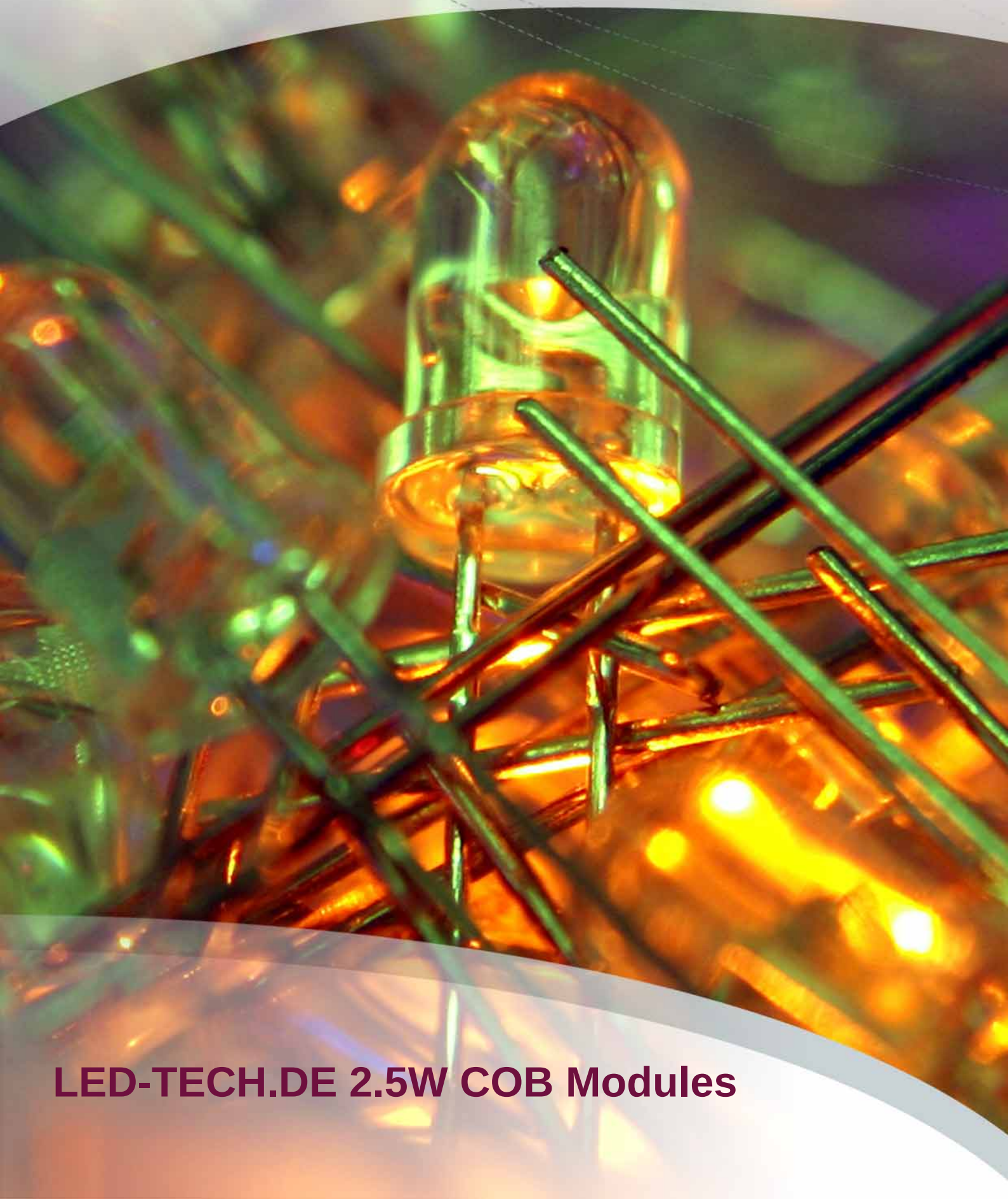
LED-TECH.DE
OPTOELECTRONICS



LED-TECH.DE 2.5W COB Modules

BUCK Constant Current Power Supply for COB (180mA, 30V)

Part Number: LT-1534
Housing Color: black
mA typ.: 180 mA
V max.: 30 V

180mA version especially for 2.5W and COB slim modules!

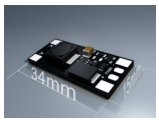
The BUCK constant current power supplies also kown as step down converters are charachterized by high operating ranges that are not subject to the number of connected illuminants (LEDs). Example: You can run a BUCK driver with 30V but with only one LEDs on the output side. The BUCK adjusts the volatge very efficiant and avoid overheating by autom. shut down to save the components. This is why we are able to over this product for low prices because we can use FR4 PCB material instead of aluminium.

A further main advantage is the PWM capability (Pulse-Width Modulation). The BUCK is compatible to controllers using common anode and has to be connected parallel to the RGB controller. The +/- outputs of the controller provide the PWM signal for seperate inputs on the BUCK PCB. This is a very easy way the run even big application most efficiently and cost saving. The above linked diagram shows the connection in detail.

Converting and quality are on highest levels. The very slim product style of only 15mm makes it perfect to fit in most LED profiles/tubes, torch housing and many more. Connecting is vey easy too because the 4 big soldering pads are clearly defined by inscriptions. Please read below the further features of this powerful little helper.

Techical data:

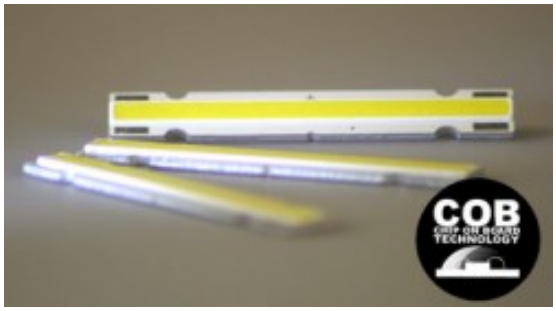
- Input: 7-30V DC (max.)
- Output: 180mA constant



- PCB isolated by protective laquer
- Can be glued to other surfaces
- Input short circuit protection
- Output short circuit protection
- Autom. shut down to avoid overheating
- Operating Temp: ~50°C over ambient temp.

If you have any questions please contact our support.

Chip On Board 2,5W High Power Module (white)



Part Number: LT-1555
Viewing Angle: 120°
Emitting Color: white
Lumen min.: 90 mcd
Lumen typ.: 90 mcd
Lumen max.: 140 mcd
Kelvin typ.: 6000 mcd
mA test.: 120 mcd
mA typ.: 120 mA
mA max.: 200 mA
V typ.: 9 V
V max.: 14 V

Best price COB technic!

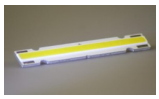
The new 18-chip COB modules are ultra-slim, have a very high density and luminosity. Because of the small dimensions of only 10x60mm the module can almost be mounted everywhere. The lighting surface is only 5x59mm wide.

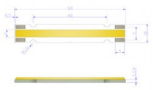
The modules come with aluminium surface to grand a good heat dissipation. We recommend to use additional cooling elements too or to mount the module to a metall surface which is very easy by using the mounting notches.

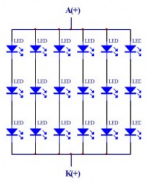
Technical remark:

The ANODE is marked with a +. Plus and Minus are placed on opposite sides so that you can also run these modules in series connection. The chips lifetime is about 40.000h depending on the junction temperature which should not be higher than 85°C.

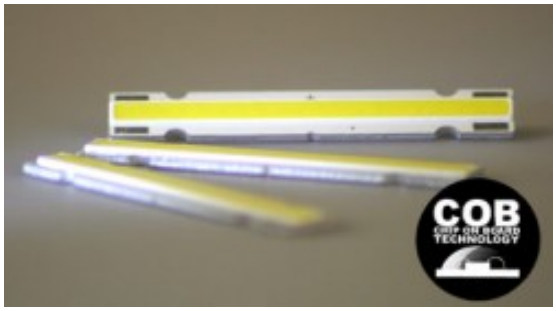
{warning1}







Chip On Board 2,5W High Power Module (golden white)



Part Number: LT-1556
Viewing Angle: 120°
Emitting Color: golden white
Lumen min.: 90 mcd
Lumen typ.: 90 mcd
Lumen max.: 140 mcd
Kelvin typ.: 2900 mcd
mA test.: 120 mcd
mA typ.: 120 mA
mA max.: 200 mA
V typ.: 9 V
V max.: 14 V

Best price COB technic!

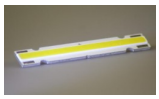
The new 18-chip COB modules are ultra-slim, have a very high density and luminosity. Because of the small dimensions of only 10x60mm the module can almost be mounted everywhere. The lighting surface is only 5x59mm wide.

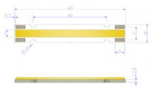
The modules come with aluminium surface to grand a good heat dissipation. We recommend to use additional cooling elements too or to mount the module to a metall surface which is very easy by using the mounting notches.

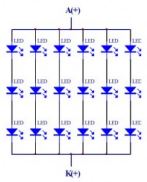
Technical remark:

The ANODE is marked with a +. Plus and Minus are placed on opposite sides so that you can also run these modules in series connection. The chips lifetime is about 40.000h depending on the junction temperature which should not be higher than 85°C.

{warning1}







BUCK Constant Current Power Supply for COB (120mA, 30V)

Part Number: LT-1557
Housing Color: black
mA typ.: 120 mA
V max.: 30 V

120mA version especially for 2.5W COB slim modules!

The BUCK constant current power supplies also kown as step down converters are charachterized by high operating ranges that are not subject to the number of connected illuminants (LEDs). Example: You can run a BUCK driver with 30V but with only one LEDs on the output side. The BUCK adjusts the volatge very efficiant and avoid overheating by autom. shut down to save the components. This is why we are able to over this product for low prices because we can use FR4 PCB material instead of aluminium.

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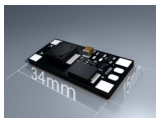
Techical data:

- Input: 7-30V DC (max.)
- Output: 120mA constant



- PCB isolated by protective laquer
- Can be glued to other surfaces
- Input short circuit protection
- Output short circuit protection
- Autom. shut down to avoid overheating
- Operating Temp: ~50°C over ambient temp.

If you have any questions please contact our support.

Imprint

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All mentioned prices are to be understood as gross prices including the value added tax (TAV). All offers are subject to prior sales and without commitment. Delivery times are to be understood from date of receipt of order. Mistakes and changes in prices are always reserved.

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