

COOLIBLADE COMET EVALUATION KIT

CooliBlade® COMET Evaluation Kit provides hands-on practical experience of our NEOcore technology. We have designed a powerful yet compact cooling element even for the most demanding high-power electronic products.

Compact size combined with cost-efficient structure makes COMET a compelling solution for high-power electronics.



COMET EVALUATION KIT

START YOUR JOURNEY TO THE NEXT
GENERATION OF THERMAL MANAGEMENT

Evaluation Kit Features

- Build your cooling solution with modular COMET modules
- Test COMET performance with your components
- An extensive dynamic range from 30 to 420 watts of thermal power
- Dive into the performance of COMET cooling solution immediately

If you want to get hands-on practical experience of our NEOcore technology, you can begin with our evaluation kits. Our **Cool-It-Yourself kits** are designed for multi-purpose use and allow you to do independent testing.

An evaluation kit includes 6 or 12 COMET thermal modules and a base plate that can be attached to electronic components. The thermal load can be varied by the amount of COMET units. COMET Evaluation Kit enables to build an own cooling solution from 30 to 420 watts of thermal power. In case of an even thermal load in electronics, it is possible to remove several hundred watts of thermal load with 12 COMET units.

After evaluating your application with our Evaluation Kit, it is recommended to analyse the results together with us. Then, you can decide whether to continue with our standard OEM units or to design a customized cooling solution for maximal cooling performance.

CooliBlade NEOcore Technology

CooliBlade has developed a next generation thermal management technology NEOcore that offers exceptional thermal conductivity performance in a light weight package.

CooliBlade's NEOcore thermal channels are based on two-phase cooling principle. CooliBlade systems are wickless which means that the cooling performance is instant and extremely efficient. NEOcore thermal channel modules can be mass-produced which enables us to offer cost-efficient performance even in the most demanding high power applications.

COMET Product Benefits

- **Efficient** – Extreme heat conductivity and heat flux
- **Lightweight** – 50% reduction in weight compared to general aluminum heat sinks in high-power solutions
- **Easy-to-integrate** – Gives more design freedom to apply advanced high power electronics cooling solutions.
- **Cost-efficient** – Mass producible modular technology enables competitive pricing



The Evaluation Kit Includes:

- 6 or 12 CooliBlade COMETs
- TIM Paste
- Baseplate
- M4 Screws

Technical Specifications

Length (mm)	100, 150 and 200
Tube diameter (mm)	50
Mounting adapter (mm)	70
Weight (COMET module 150mm)	260g
Base Plate (6 pcs)	150x220x10 mm
Base Plate (12 pcs)	294x220x10 mm
Thermal Power (6 pcs, 150mm)	210 W *
Thermal Power (12 pcs, 150mm)	420 W *
Heat sink material	Aluminum

*) 30 % more thermal power with 200 mm COMETs

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 CooliBlade®