

06/04-8



## Thermal adhesive tape of the new generation

Double-sided adhesive tape with high heat conductivity for technical applications

*Datasheet and examples of utilization of Cooltape*

Cooltape provides good thermal conductivity and electrical isolation combined with high adhesive force. The thermal characteristics are even slightly better when compared to conventional applications with thermal transfer compound and mica wafers.

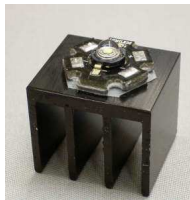
The thermal adhesive tape is assigned to install heat-producing components fast and easily on heatsinks and other cooling equipment such as processor-cooling etc.

The tape consists of a carrier-material, which is highly enriched with thermal connecting fillers and is covered on both sides with a high-temperature resistant adhesive on acryl base

### Technical data:

- Color: white
- Adhesive: Acryl Adhesive
- Tape thickness: 230 micron
- Layer thickness: inside 100 micron, outside 60 micron
- Heat conductance (W/m\*K): 0,89
- Disruptive strength(kV): 11
- Temperature range: -40 °C to +140°C
- Available dimensions:
  - Cooltape Pads 25x25mm
  - Roll of 3 meters, width 10mm
  - Roll of 3 meters, width 25mm
  - Sheets DIN A4 (210 x 297 mm)
  - NEW: Cuttings according to your data up to DIN A4 size.**

### Application samples:



High-power leds like **Luxeon Star** or **Emitter** simply stuck with **Cooltape** on a **SK452** heatsink.



A **HKO1000** module mounted with **Cooltape** on a **SK452** heatsink.

### Time saving compared:

In this example you have on the left side schottky-diodes mounted conventionally with thermal transfer compound, on the right with cooltape

#### Conventional assembling:

Drill,  
apply mica wafer with thermal transfer compound, fasten the diodes with screws.

**Takes about 15 minutes!**



#### Assembling with Cooltape:

Cut, stick, ready!

**Takes about a minute!!!**

-date: 06/04-alterations preserved-

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