

## PRODUCT DATA SHEET

## Ryzen 7000 Direct Die Frame

**Description:**

The Ryzen 7000 Direct Die Frame is a CPU mounting frame for installing Ryzen 7000 processors without the integrated heat spreader.

**Properties:**

The heat spreader of the Ryzen 7000 processors is very thick, which is partly due to the compatibility with older CPU coolers for the AM4 socket. The unnecessary thickness of the heat spreader reduces the thermal conductivity, so that the CPUs are operated at very high temperatures, which are around 95 degrees Celsius.

By removing the heat spreader („decapitating“, „delidding“), the CPU cooler can be mounted directly on the chiplets of the Ryzen 7000 CPU, drastically reducing temperatures.



To avoid damage to the sensitive chips and to prevent problems during operation (e.g., RAM), the Ryzen 7000 Direct Die Frame replaces the motherboard's Socket Actuation Mechanism (SAM).

Unit	Value/Description
Length	70 mm
Width	53 mm
Height	4 mm
Material	Anodised aluminium
Color	black

Unit	Value/Description
Item number	TG-DDF-R7000-R
EAN-Code	4260711990694
Typical Application	Mounting aid for delidded Ryzen 7000 CPUs

**Trademark Information:**

Thermal Grizzly is a registered trademark.

**Please note:**

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data.

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