



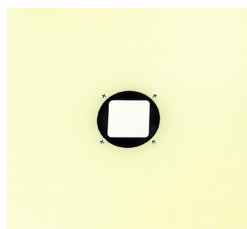
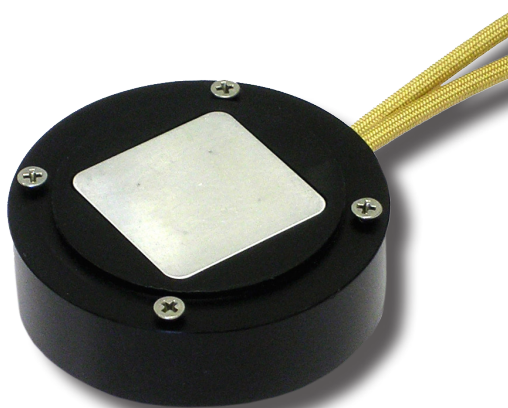
HP-97™

HIGH POWER COMPONENT SIMULATORS

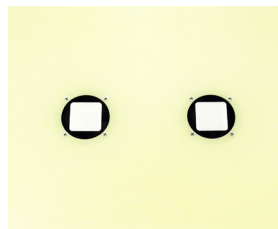
ATS' HP-97™ series are high-power component simulators used for replicating the heat dissipation conditions of devices. The HP-97™ series features a 32 x 32 mm aluminum block and a cartridge heater embedded within a high temperature Derlin® housing and mounted to an FR4 plate. Derlin® is known for its stiffness, dimensional stability, impact resistance and structural strength.

Typical applications for the HP-97-1 and HP-97-2 are component simulation, heat sink characterization and side-by-side heat sink comparison. Each Component Simulator has a temperature range of ambient to 110°C, ideal for most heat sink testing applications. Each unit is designed to fit within most Advanced Thermal Solutions, Inc. bench top, open loop and closed loop wind tunnels.

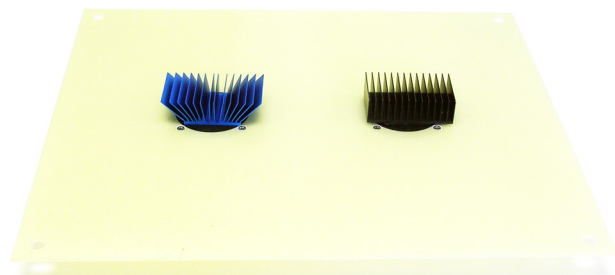
Heat sinks are mounted to the component HP-97™ via a double-sided adhesive thermal tape. Custom attachment options are also available. A power source is required for operation. Thermal tape and power source are not included.



**HP-97-1 Single
Component Simulator**



**HP-97-2 Dual
Component Simulator**



HP-97-2 shown in a side-by-side heat sink comparison

TEMPERATURE RANGE
Ambient to 110°C

PLATE DIMENSIONS (L X W)
33.65 cm x 29.21 cm
(13.25" x 11.5")

SIMULATOR DIMENSIONS (D X H)
6.35 cm x 1.93 cm
(2.5" x 0.76")

HEATER BLOCK DIMENSIONS (L X W)
3.175 cm x 3.175 cm
(1.25" x 1.25")

POWER
DC Power Supply

FEATURES:

- » **Component Simulation**
Replicates heat dissipation conditions of devices up to surface temperatures up to 110°C
- » **Heat Sink Characterization**
Characterize a variety of heat sink sizes for natural and forced convection cooling
- » **Heat Sink Comparison**
Test two heat sinks side-by-side and compare their thermal performance in the same environment
- » **Reliable Derlin® Housing**
Derlin® housing ensures superior stability, strength, and resistance for the heat dissipating component
- » **Compatible Design**
Designed to fit with ATS bench top, open loop, and closed loop wind tunnels

» **Free Lifetime Tech Support**

APPLICATIONS:

- » **Telecommunications**
- » **Automotive**
- » **Medical Instrumentation**
- » **Thermal Management**
- » **Pharmaceuticals**
- » **Chemical**



For further technical information, please contact Advanced Thermal Solutions, Inc. at **1-781-769-2800** or **www.qats.com**