

**ThermoTek Phase Plane™ Heat Pipe**
**Model: 4mmx21mm**
**Performance:**

Effective Thermal Conductivity  
 Horizontal (max. W/mK): 7,000  
 Vertical (max. W/mK): 10,000

**Acoustic:**

Operating (dBa): 0

**Physical Characteristics:**

Height (mm): 3.8  
 Width (mm): 21  
 Length: 15cm \*  
 Weight (gram/meter): 2.5m

**Material:**

Metal Body: Aluminum  
 Fluid: Acetone

**Mounting:**

Flatness (length per 10mm working area): 0.1mm  
 Maximum Load per Area: > 0.3 MPa

**Environmental Characteristics:**

Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

Non-Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

**Bending:**

Minimum Bend Radius (mm): 15

**Model: 3mmx31mm**
**Performance:**

Effective Thermal Conductivity  
 Horizontal (max. W/mK): 7,000  
 Vertical (max. W/mK): 10,000

**Acoustic:**

Operating (dBa): 0

**Physical Characteristics:**

Height (mm): 2.9  
 Width (mm): 31  
 Length: 15cm \*  
 Weight (gram/meter): 2.5m

**Material:**

Metal Body: Aluminum  
 Fluid: Acetone

**Mounting:**

Flatness (length per 10mm working area): 0.1mm  
 Maximum Load per Area: > 1 MPa

**Environmental Characteristics:**

Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

Non-Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

**Bending:**

Minimum Bend Radius (mm): 15

**Model: 4mmx55mm**
**Performance:**

Effective Thermal Conductivity  
 Horizontal (max. W/mK): 7,000  
 Vertical (max. W/mK): 10,000

**Acoustic:**

Operating (dBa): 0

**Physical Characteristics:**

Height (mm): 4  
 Width (mm): 55  
 Length: 15cm \*  
 Weight (gram/meter): 2.5m

**Material:**

Metal Body: Aluminum  
 Fluid: Acetone

**Mounting:**

Flatness (length per 10mm working area): 0.1mm  
 Maximum Load per Area: > 3 MPa

**Environmental Characteristics:**

Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

Non-Operating  
 Ambient Temperature: -48°C to 100°C  
 Relative Humidity: 0% to 99%

**Bending:**

Minimum Bend Radius (mm): 25

Specific application environments such as temperature and thermal duty cycle will affect the overall performance and heat capacity. For specific application environment performance characteristics, please consult ThermoTek, Inc application support.

- \* Custom lengths are available.
- \* Custom extrusions available with non-recurring set-up charges.
- \* Custom fin and mounting configurations available per application.

**Technical Support:**

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