

# S Series

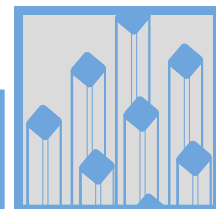
Omnidirectional Heat Sink

**ALPHA**

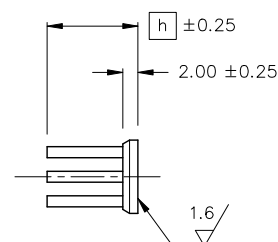
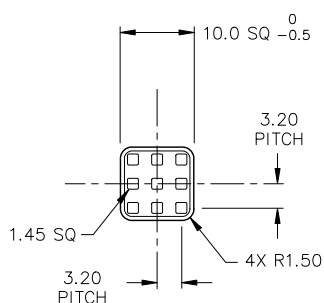
# ALPHA

## Omnidirectional Heat Sink

# S1510



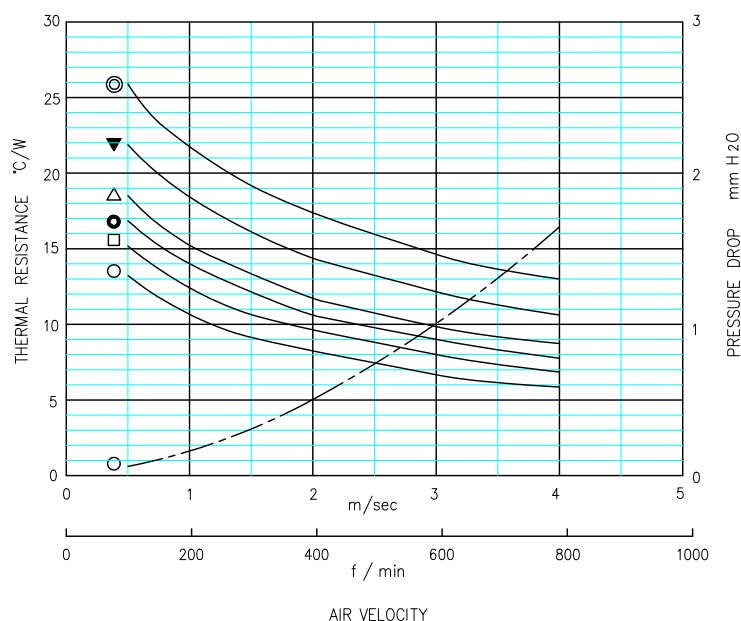
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h] | WEIGHT (grams) |
|-----------|------------|----------------|
| S1510-5W  | 5          | 0.65           |
| S1510-7W  | 7          | 0.75           |
| S1510-10W | 10         | 0.90           |
| S1510-12W | 12         | 1.00           |
| S1510-15W | 15         | 1.15           |
| S1510-20W | 20         | 1.40           |

DATA



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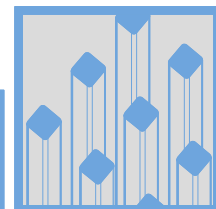
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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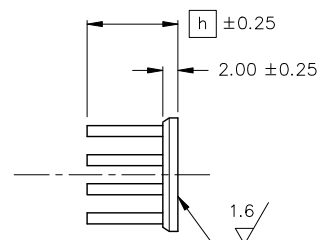
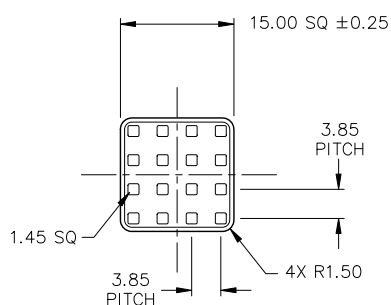
# ALPHA

## Omnidirectional Heat Sink

# S1515



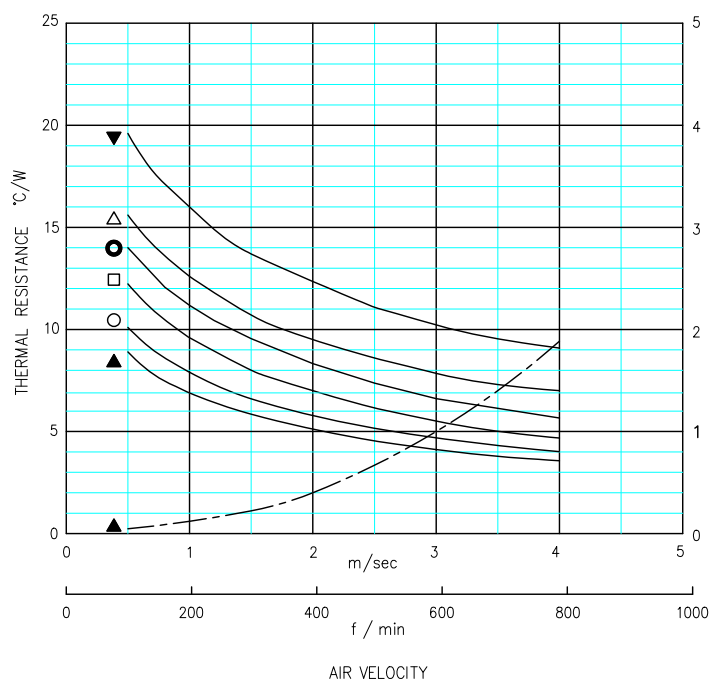
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT $h$ | WEIGHT (grams) |
|-----------|------------|----------------|
| S1515-7W  | 7          | 1.66           |
| S1515-10W | 10         | 1.92           |
| S1515-12W | 12         | 2.10           |
| S1515-15W | 15         | 2.37           |
| S1515-20W | 20         | 2.81           |
| S1515-25W | 25         | 3.26           |

DATA



- ▼ S1515-7W
- △ S1515-10W
- S1515-12W
- S1515-15W
- S1515-20W
- ▲ S1515-25W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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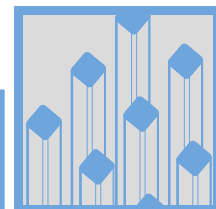
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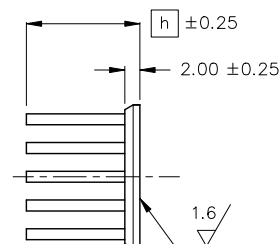
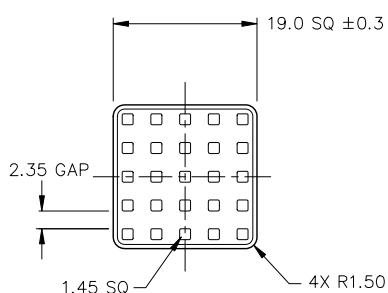
# ALPHA

## Omnidirectional Heat Sink

# S1519



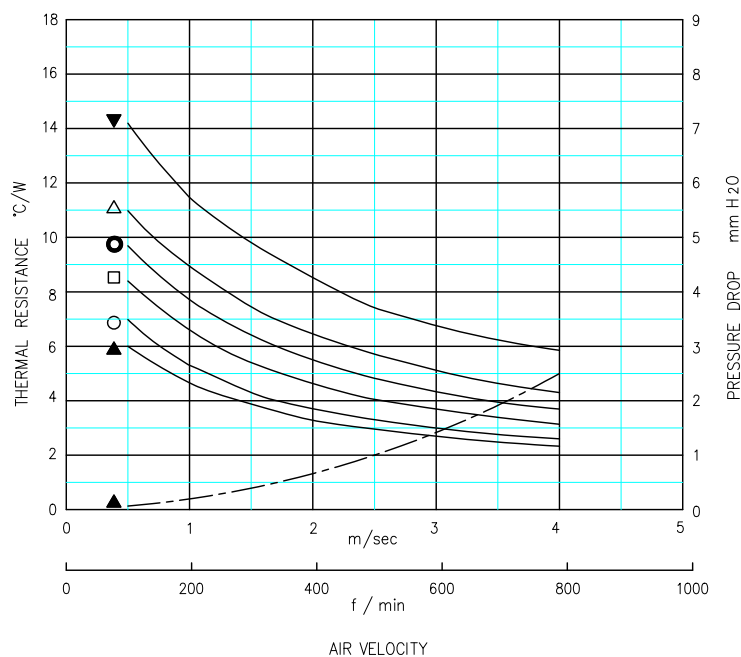
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT $h$ | WEIGHT (grams) |
|-----------|------------|----------------|
| S1519-7W  | 7          | 2.7            |
| S1519-10W | 10         | 3.0            |
| S1519-12W | 12         | 3.3            |
| S1519-15W | 15         | 3.7            |
| S1519-20W | 20         | 4.4            |
| S1519-25W | 25         | 5.1            |

DATA



- ▼ S1519-7W
- △ S1519-10W
- S1519-12W
- S1519-15W
- S1519-20W
- ▲ S1519-25W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

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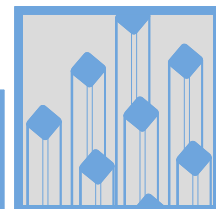
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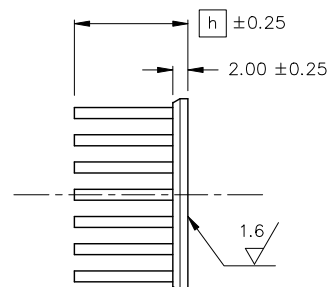
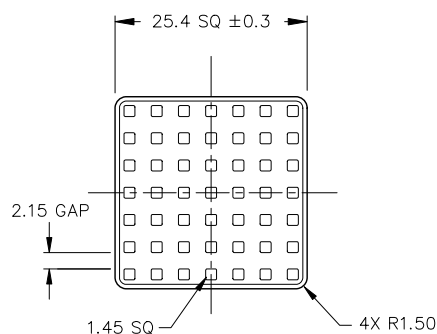
# ALPHA

## Omnidirectional Heat Sink

# S1525



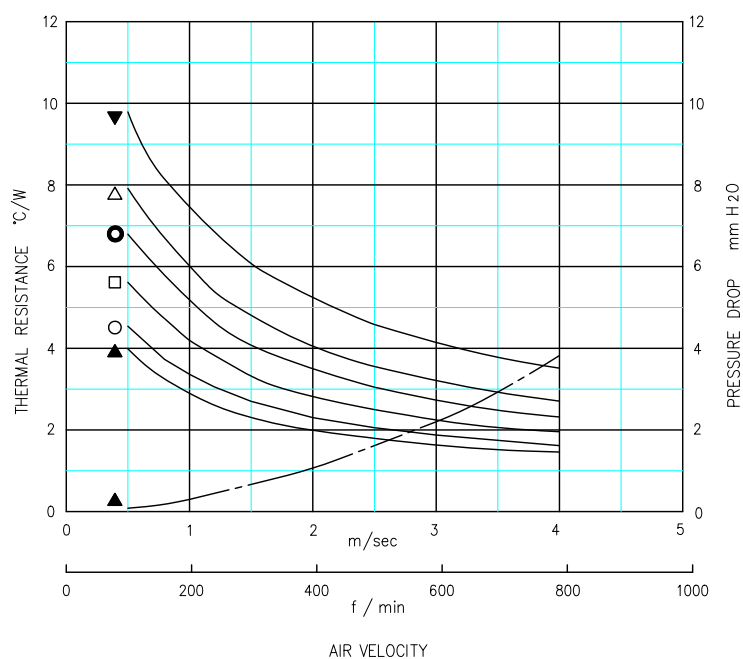
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h] | WEIGHT (grams) |
|-----------|------------|----------------|
| S1525-7W  | 7          | 5.0            |
| S1525-10W | 10         | 5.7            |
| S1525-12W | 12         | 6.2            |
| S1525-15W | 15         | 7.0            |
| S1525-20W | 20         | 8.3            |
| S1525-25W | 25         | 9.6            |

DATA



- ▼ S1525-7W
- △ S1525-10W
- S1525-12W
- S1525-15W
- S1525-20W
- ▲ S1525-25W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

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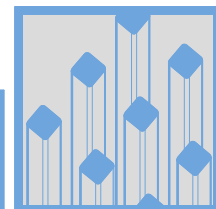
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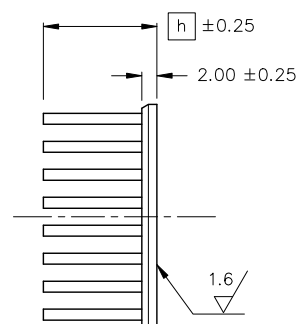
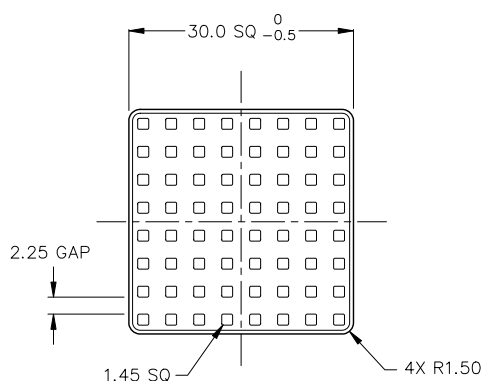
# ALPHA

## Omnidirectional Heat Sink

# S1530



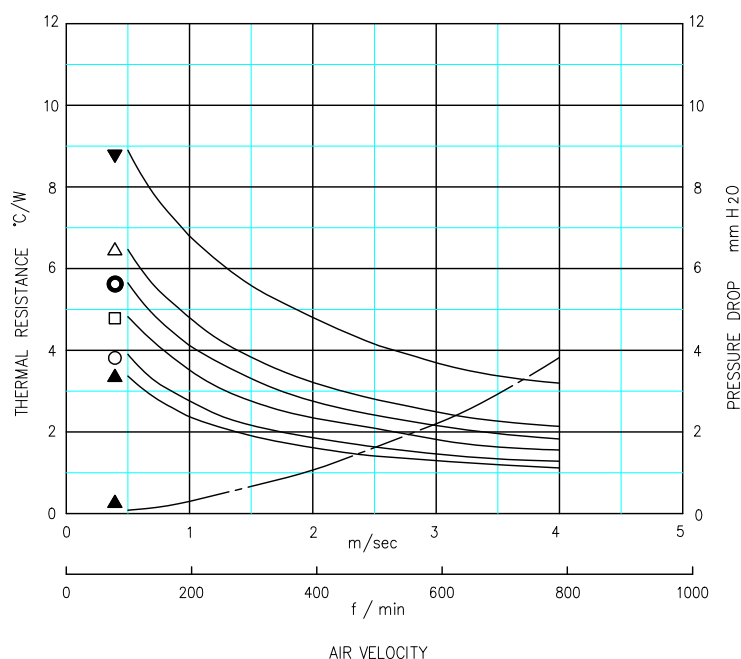
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h] | WEIGHT (grams) |
|-----------|------------|----------------|
| S1530-7W  | 7          | 6.8            |
| S1530-10W | 10         | 7.6            |
| S1530-12W | 12         | 8.3            |
| S1530-15W | 15         | 9.4            |
| S1530-20W | 20         | 11.2           |
| S1530-25W | 25         | 13.0           |

DATA



- ▼ S1530-7W
- △ S1530-10W
- S1530-12W
- S1530-15W
- S1530-20W
- ▲ S1530-25W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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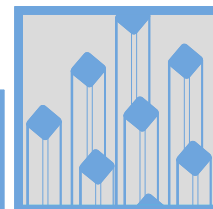
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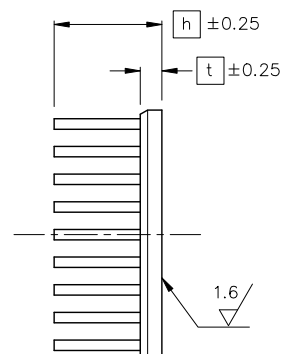
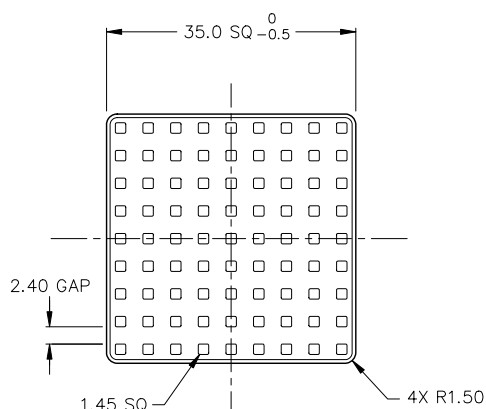
# ALPHA

## Omnidirectional Heat Sink

# S1535



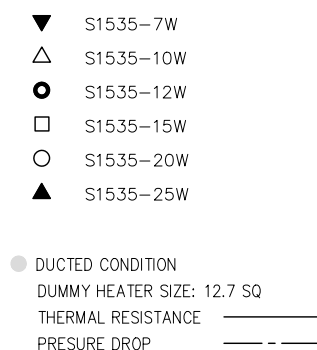
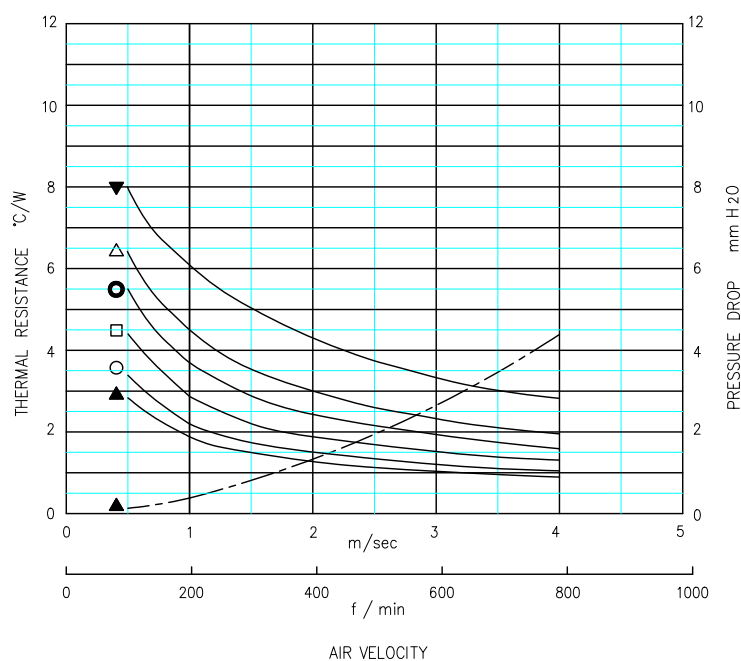
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|------------|--------------|---------------|----------------|
| S1535-7W   | 7            | 2.00          | 9.1            |
| S1535-10W  | 10           | 3.00          | 12.9           |
| S1535-12W  | 12           |               | 13.8           |
| S1535-15W  | 15           |               | 15.1           |
| S1535-20W  | 20           |               | 17.3           |
| S1535-25W  | 25           | 3.00          | 19.5           |
| S1535-[h]W | [h] ≤ 7      | 2.00          | -              |
|            | 7 < [h] ≤ 25 | 3.00          | -              |

DATA



■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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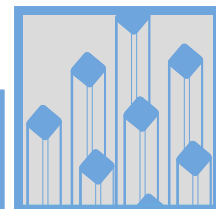
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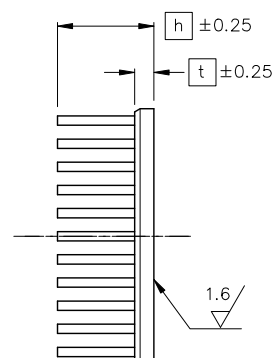
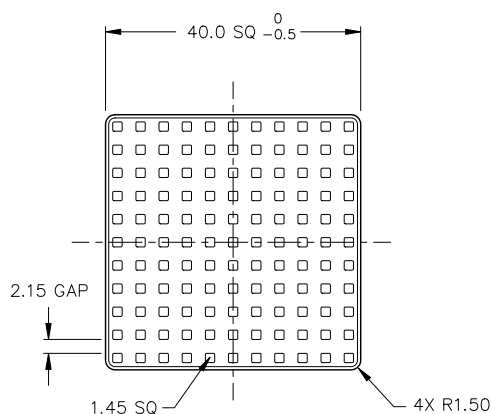
# ALPHA

## Omnidirectional Heat Sink

# S1540



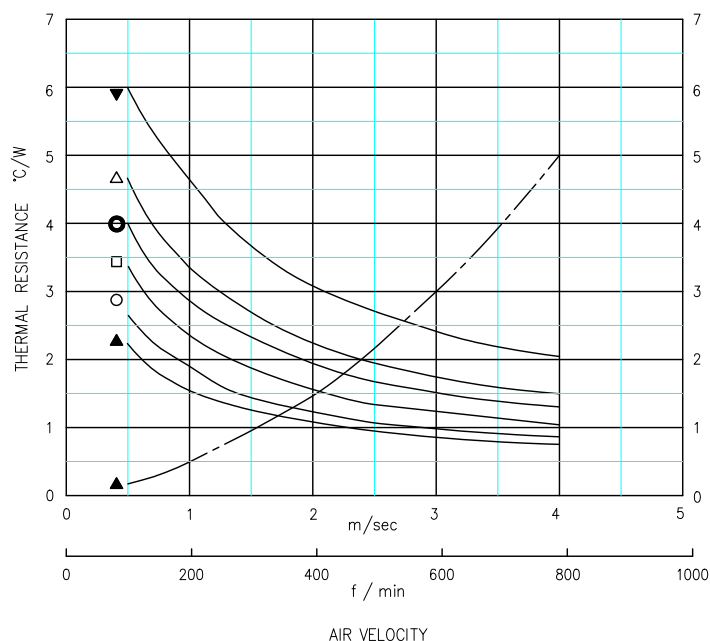
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| S1540-7W   | 7             | 2.00          | 12.3           |
| S1540-10W  | 10            |               | 14.0           |
| S1540-12W  | 12            |               | 18.9           |
| S1540-15W  | 15            | 3.00          | 21.0           |
| S1540-20W  | 20            |               | 24.5           |
| S1540-25W  | 25            | 3.50          | 30.0           |
| S1540-[h]W | [h] ≤ 10      | 2.00          | -              |
|            | 10 < [h] ≤ 20 | 3.00          | -              |
|            | 20 < [h] ≤ 25 | 3.50          | -              |

DATA



- ▼ S1540-7W
- △ S1540-10W
- S1540-12W
- S1540-15W
- S1540-20W
- ▲ S1540-25W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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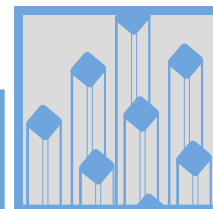
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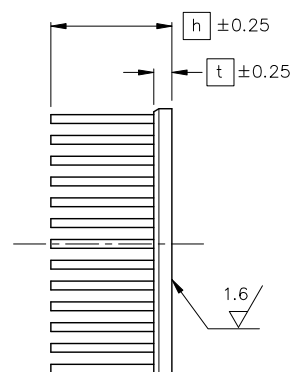
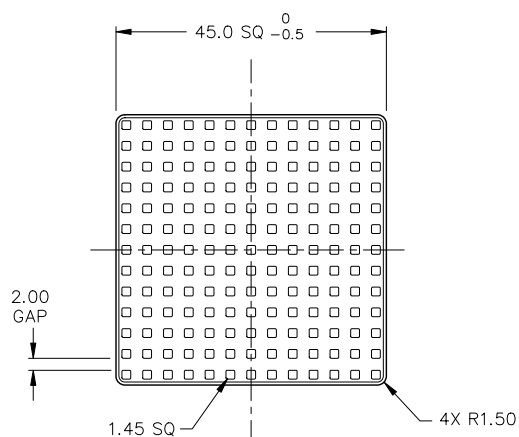
# ALPHA

## Omnidirectional Heat Sink

# S1545



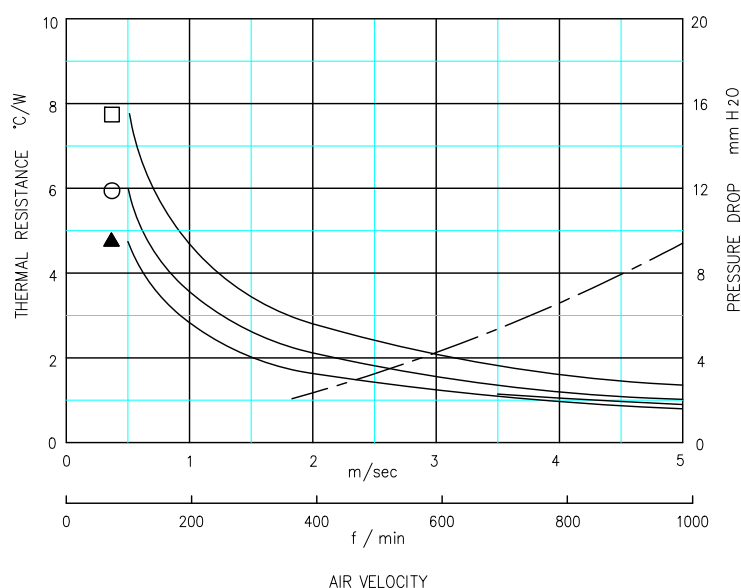
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| S1545-15W   | 15            | 3.00          | 28.0           |
| S1545-20W   | 20            |               | 32.5           |
| S1545-25W   | 25            | 3.50          | 39.5           |
| S1545-[h] W | [h] ≤ 20      | 3.00          | -              |
|             | 20 < [h] ≤ 25 | 3.50          | -              |

DATA



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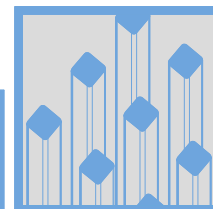
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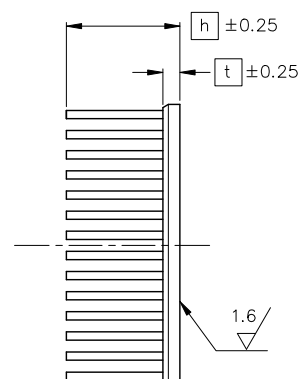
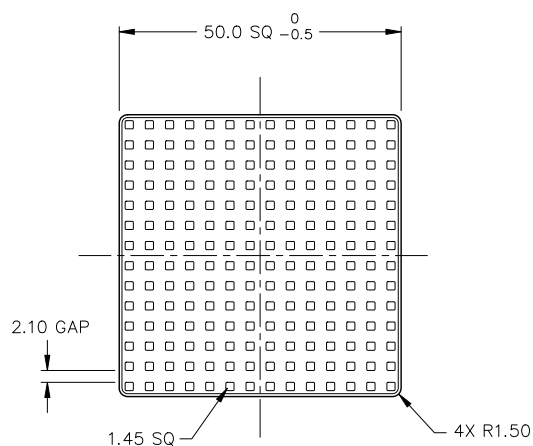
# ALPHA

## Omnidirectional Heat Sink

# S1550



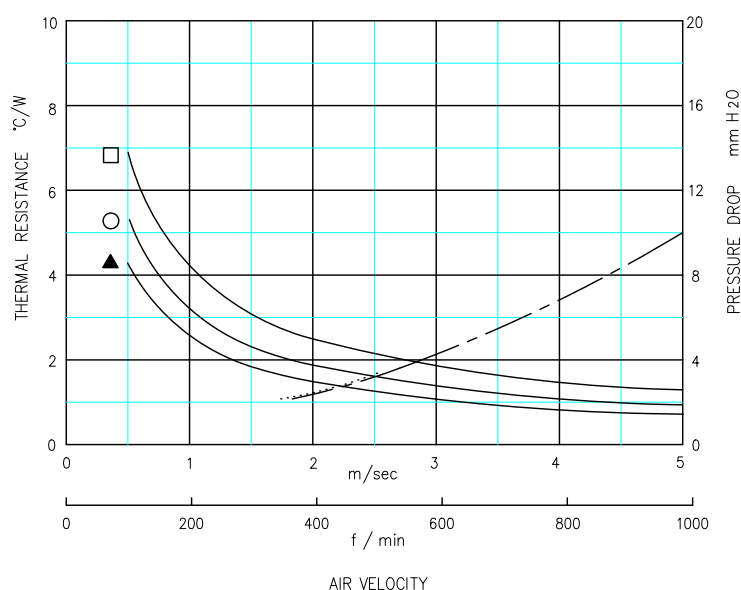
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| S1550-15W   | 15            | 3.00          | 32.5           |
| S1550-20W   | 20            |               | 38.0           |
| S1550-25W   | 25            | 3.50          | 46.5           |
| S1550-[h] W | [h] ≤ 20      | 3.00          | -              |
|             | 20 < [h] ≤ 25 | 3.50          | -              |

DATA



- S1550-15W
- S1550-20W
- ▲ S1550-25W
- THERMAL RESISTANCE ———
- WIND TUNNEL ———
- DUMMY HEATER SIZE: 35.0 SQ
- PRESURE DROP - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE. REFER TO TECHNICAL INFORMATION.

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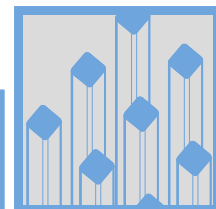
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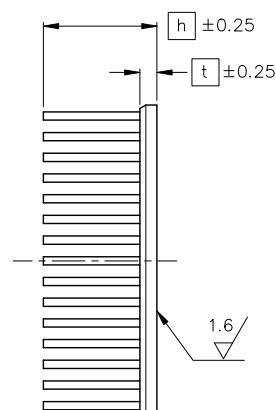
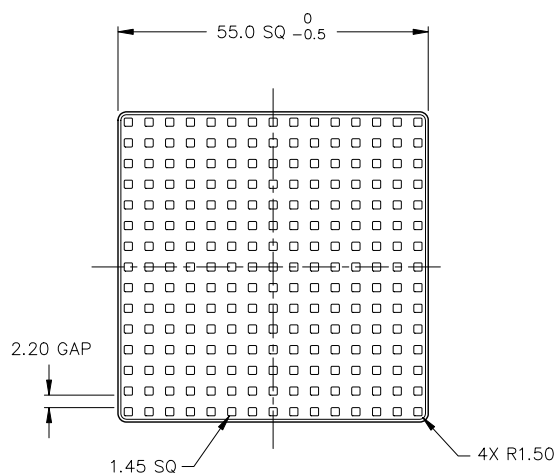
# ALPHA

## Omnidirectional Heat Sink

# S1555



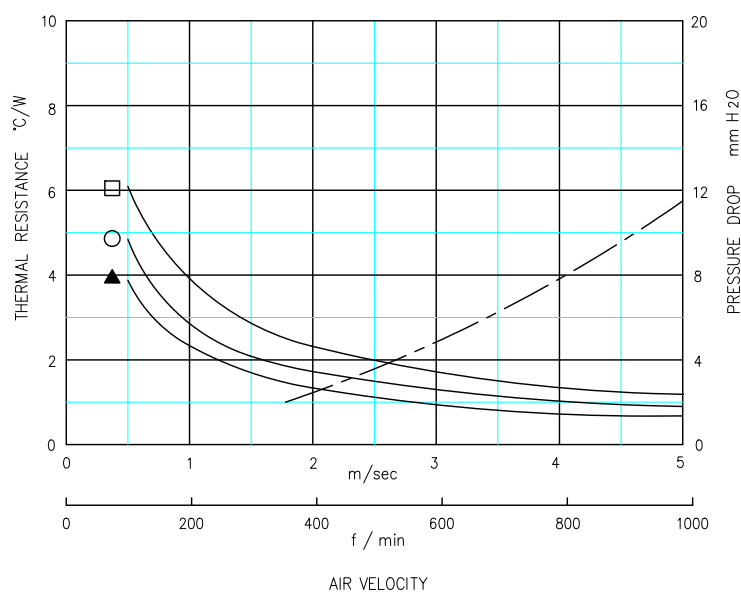
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| S1555-15W   | 15            | 3.00          | 39.5           |
| S1555-20W   | 20            |               | 46.5           |
| S1555-25W   | 25            | 3.50          | 55.5           |
| S1555-[h] W | [h] ≤ 20      | 3.00          | -              |
|             | 20 < [h] ≤ 25 | 3.50          | -              |

DATA



□ S1555-15W

○ S1555-20W

▲ S1555-25W

● THERMAL RESISTANCE ———  
WIND TUNNEL  
DUMMY HEATER SIZE: 35.0 SQ

● PRESURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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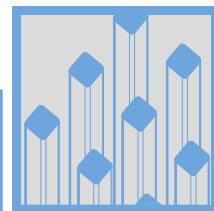
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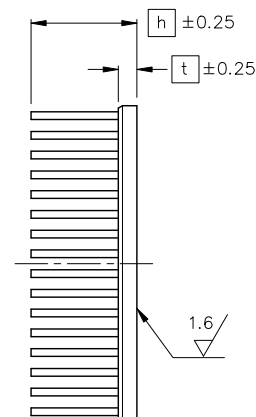
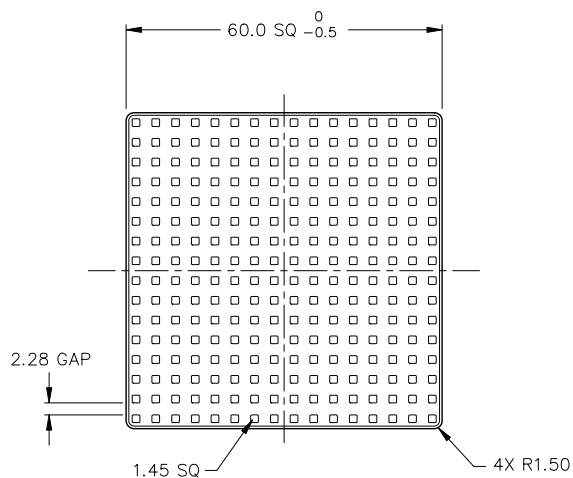
# ALPHA

## Omnidirectional Heat Sink

# S1560



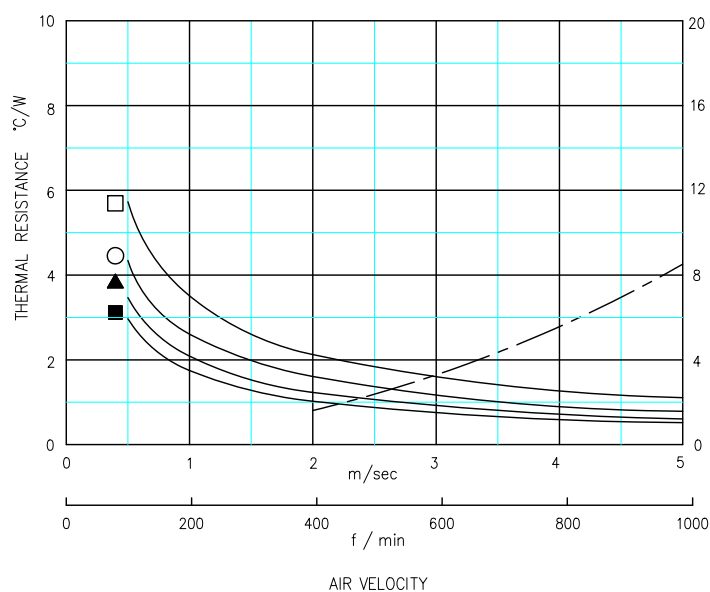
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| S1560-15W  | 15            | 3.00          | 44.5           |
| S1560-20W  | 20            |               | 50.5           |
| S1560-25W  | 25            | 3.50          | 61.0           |
| S1560-30W  | 30            | 4.00          | 70.5           |
| S1560-[h]W | [h] ≤ 20      | 3.00          | —              |
|            | 20 < [h] ≤ 25 | 3.50          | —              |
|            | 25 < [h] ≤ 30 | 4.00          | —              |

DATA



- S1560-15W
- S1560-20W
- ▲ S1560-25W
- S1560-30W

● THERMAL RESISTANCE ———  
WIND TUNNEL  
DUMMY HEATER SIZE: 35.0 SQ

● PRESURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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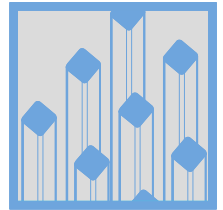
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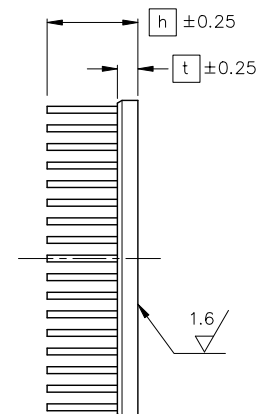
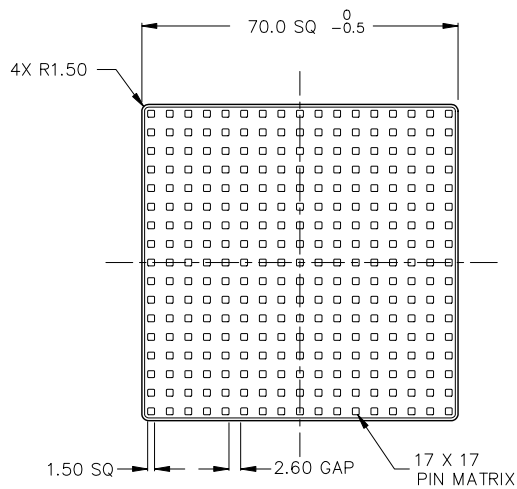
# ALPHA

## Omnidirectional Heat Sink

# S1570



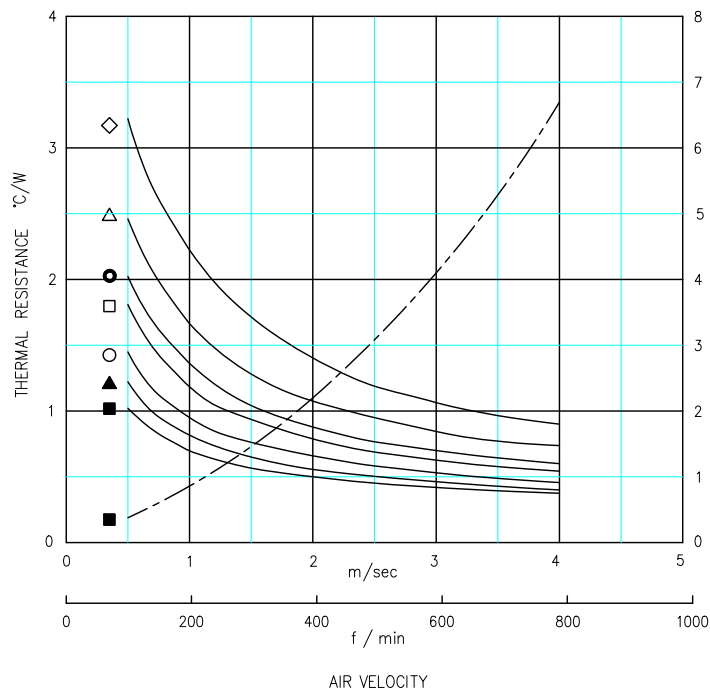
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| S1570-8W   | 8             | 3.00          | 47.8           |
| S1570-10W  | 10            |               | 51.2           |
| S1570-12W  | 12            |               | 54.7           |
| S1570-15W  | 15            | 4.50          | 76.9           |
| S1570-20W  | 20            |               | 85.5           |
| S1570-25W  | 25            |               | 94.1           |
| S1570-30W  | 30            |               | 102.7          |
| S1570-[h]W | [h] ≤ 12      | 3.00          | -              |
|            | 12 < [h] ≤ 30 | 4.50          | -              |

DATA



- ◇ S1570-8B
- △ S1570-10B
- S1570-12B
- S1570-15B
- S1570-20B
- ▲ S1570-25B
- S1570-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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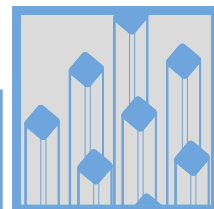
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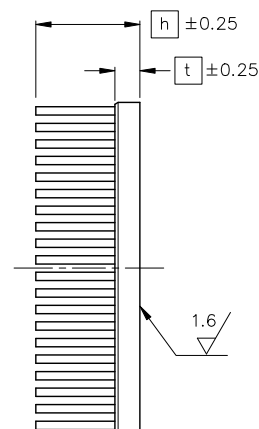
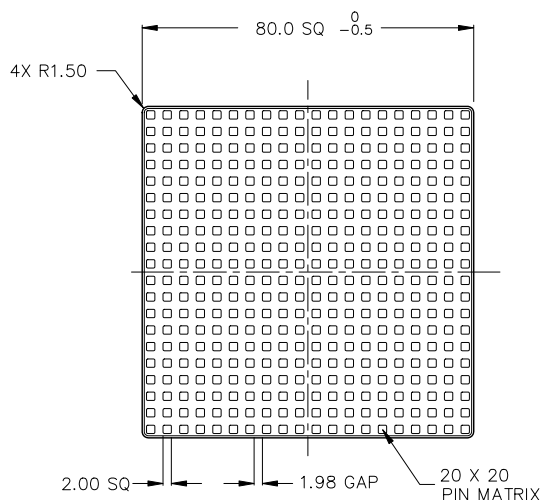
# ALPHA

## Omnidirectional Heat Sink

# S2080



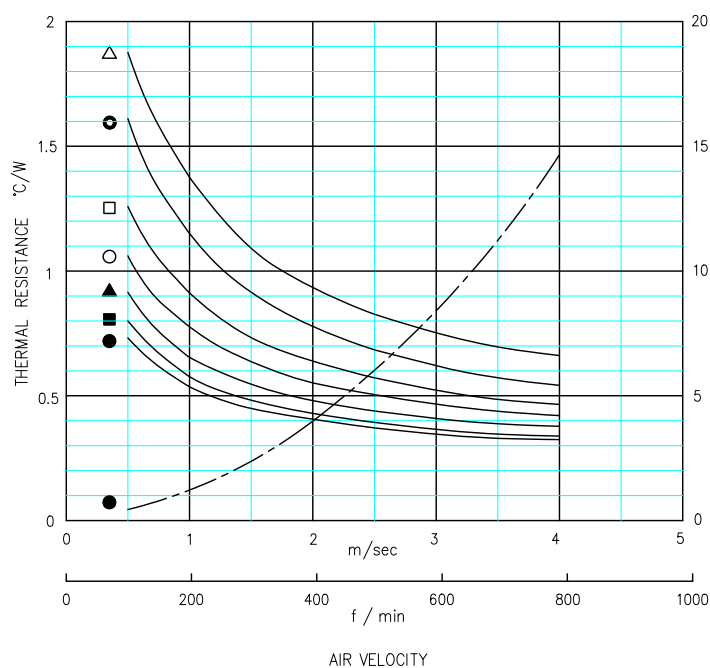
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| S2080-12W  | 12            | 4.00          | 102            |
| S2080-15W  | 15            | 6.00          | 141            |
| S2080-20W  | 20            |               | 162            |
| S2080-25W  | 25            |               | 183            |
| S2080-30W  | 30            |               | 204            |
| S2080-35W  | 35            | 7.00          | 238            |
| S2080-40W  | 40            |               | 259            |
| S2080-[h]W | [h] ≤ 12      | 4.00          | -              |
|            | 12 < [h] ≤ 30 | 6.00          | -              |
|            | 30 < [h] ≤ 40 | 7.00          | -              |

DATA



- △ S2080-12W
- S2080-15W
- S2080-20W
- S2080-25W
- ▲ S2080-30W
- S2080-35W
- S2080-40W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESURE DROP - - - - -

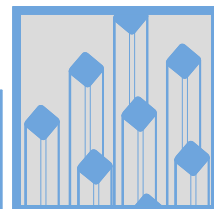
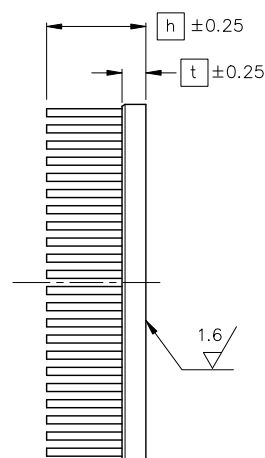
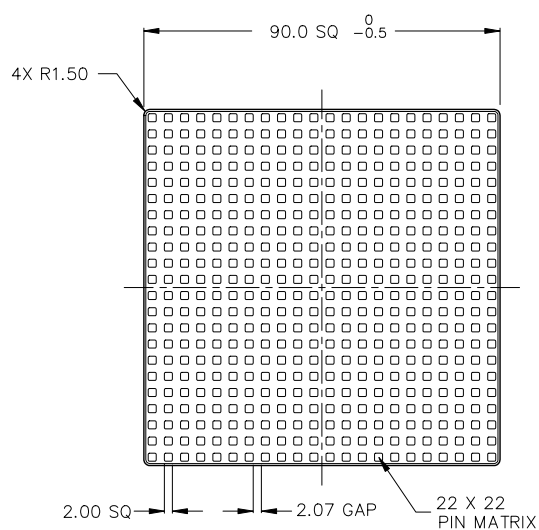
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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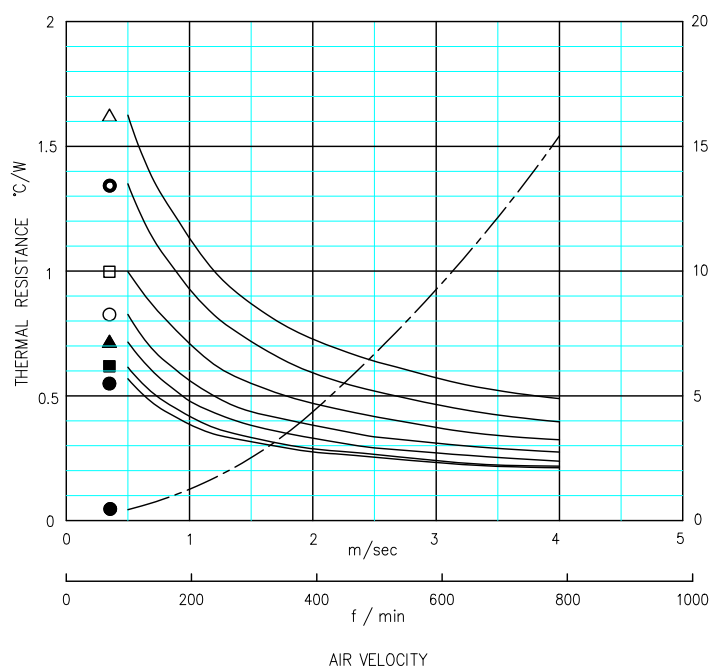
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**ALPHA****Omnidirectional Heat Sink****S2090****DIM**

MATERIAL : A6063  
 FINISH : CLEAR ANODIZE  
 DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| S2090-12W  | 12            | 4.00          | 128.0          |
| S2090-15W  | 15            | 6.00          | 176.5          |
| S2090-20W  | 20            |               | 202.0          |
| S2090-25W  | 25            |               | 227.5          |
| S2090-30W  | 30            | 7.00          | 253.0          |
| S2090-35W  | 35            |               | 295.0          |
| S2090-40W  | 40            |               | 320.5          |
| S2090-[h]W | [h] ≤ 12      | 4.00          | -              |
|            | 12 < [h] ≤ 30 | 6.00          | -              |
|            | 30 < [h] ≤ 40 | 7.00          | -              |

**DATA**

- △ S2090-12W
- S2090-15W
- S2090-20W
- S2090-25W
- ▲ S2090-30W
- S2090-35W
- S2090-40W

● DUCTED CONDITION  
 DUMMY HEATER SIZE: 25.4 SQ  
 THERMAL RESISTANCE ———  
 PRESURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
 REFER TO TECHNICAL INFORMATION.

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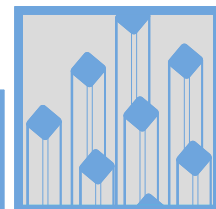
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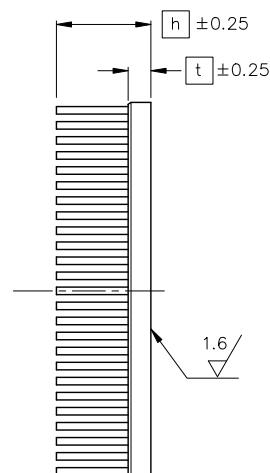
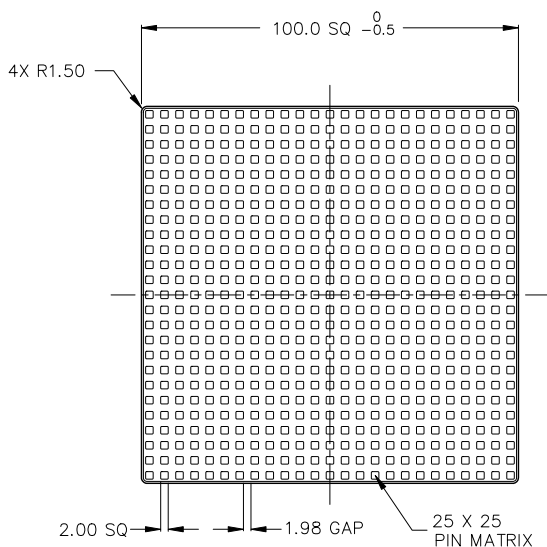
# ALPHA

## Omnidirectional Heat Sink

# S20100



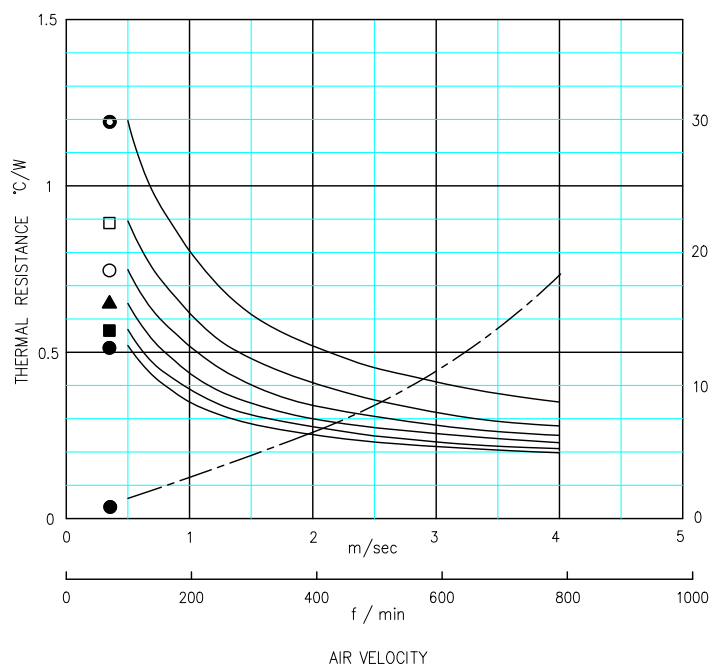
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| S20100-15W  | 15            | 6.00          | 221            |
| S20100-20W  | 20            |               | 261            |
| S20100-25W  | 25            |               | 294            |
| S20100-30W  | 30            | 7.00          | 327            |
| S20100-35W  | 35            |               | 380            |
| S20100-40W  | 40            |               | 413            |
| S20100-[h]W | [h] ≤ 30      | 6.00          | -              |
|             | 30 < [h] ≤ 40 | 7.00          | -              |

DATA



- S20100-15W
- S20100-20W
- S20100-25W
- ▲ S20100-30W
- S20100-35W
- S20100-40W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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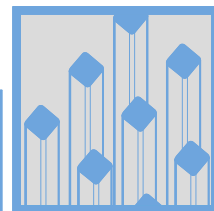
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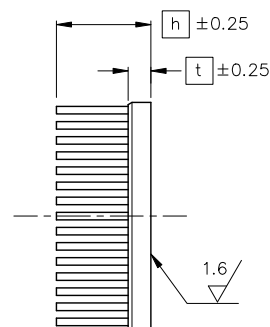
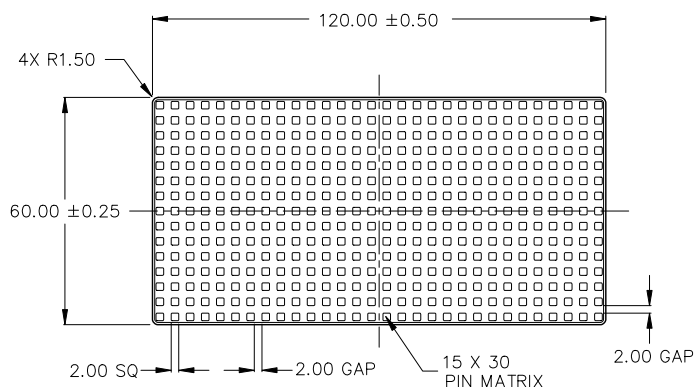
# ALPHA

## Omnidirectional Heat Sink

# S2012060



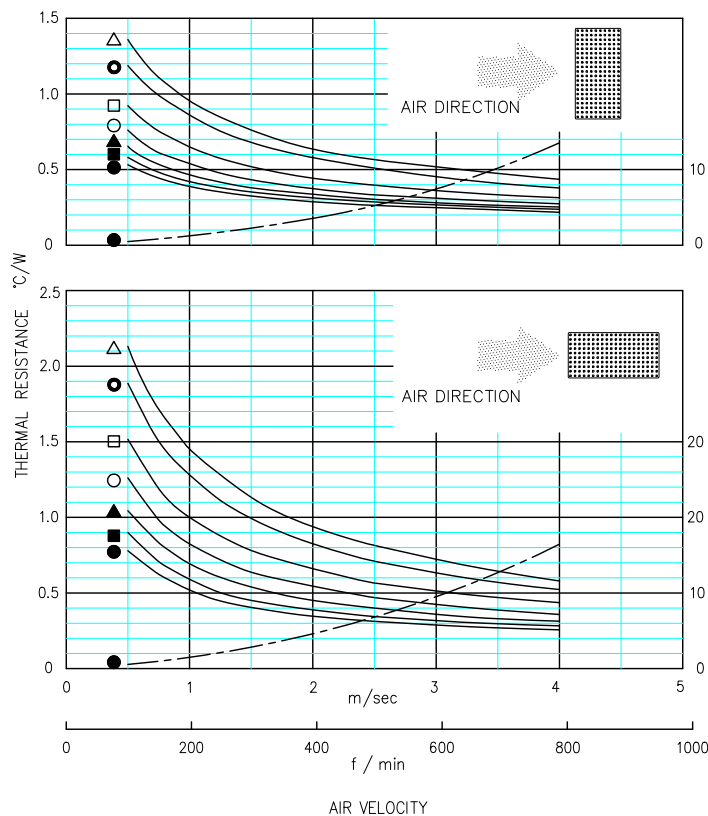
DIM



MATERIAL : A6063  
FINISH : CLEAR ANODIZE  
DIMENSIONS : mm

| MODEL         | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|---------------|---------------|---------------|----------------|
| S2012060-12W  | 12            | 5.00          | 129.9          |
| S2012060-15W  | 15            | 6.00          | 158.7          |
| S2012060-20W  | 20            |               | 182.5          |
| S2012060-25W  | 25            |               | 206.2          |
| S2012060-30W  | 30            |               | 230.0          |
| S2012060-35W  | 35            |               | 253.7          |
| S2012060-40W  | 40            |               | 277.5          |
| S2012060-[h]W | [h] ≤ 12      | 5.00          | -              |
|               | 12 < [h] ≤ 40 | 6.00          | -              |

DATA



- △ S2012060-12W
- S2012060-15W
- S2012060-20W
- S2012060-25W
- ▲ S2012060-30W
- S2012060-35W
- S2012060-40W

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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