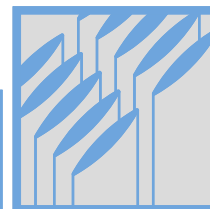


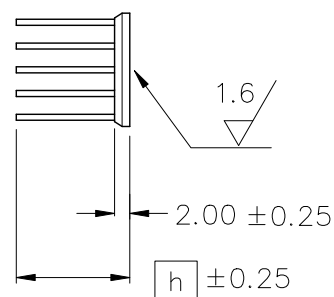
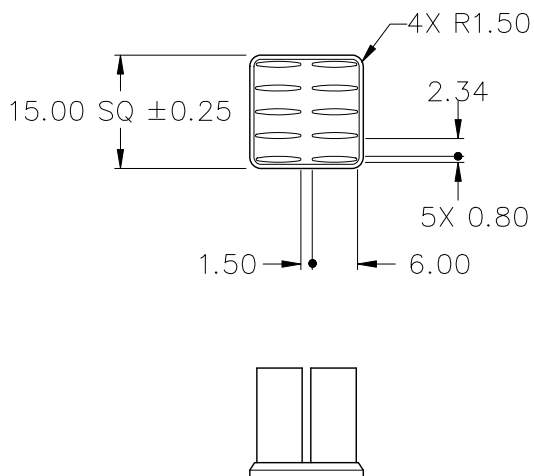
W Series

High - Efficiency Heat Sink

ALPHA



DIM

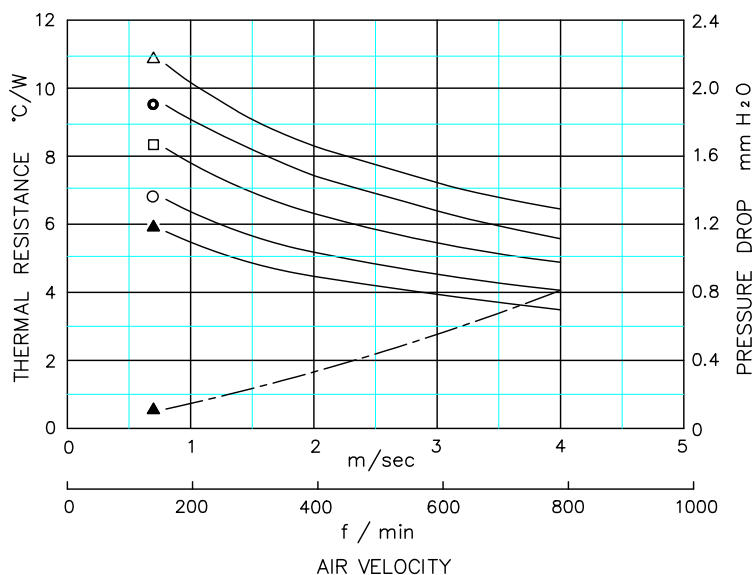


MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
W15-10W	10	1.9
W15-12W	12	2.1
W15-15W	15	2.4
W15-20W	20	2.9
W15-25W	25	3.4

Dimensions : mm

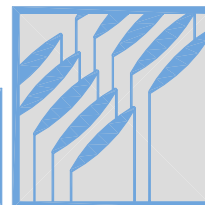
DATA



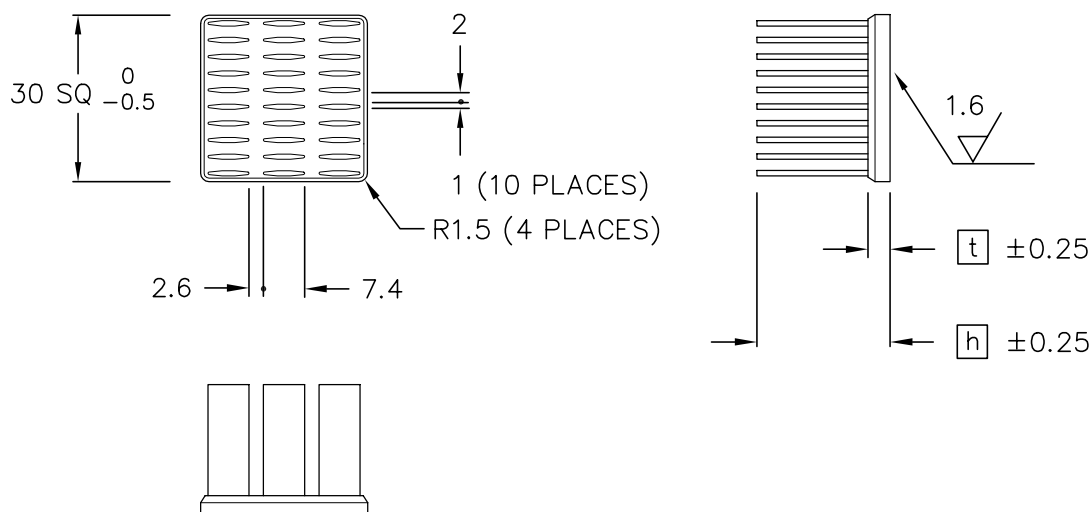
- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ W15-10W
- W15-12W
- W15-15W
- W15-20W
- ▲ W15-25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 12.7(mm)

ALPHA**High - Efficiency Heat Sink****W30**

DIM

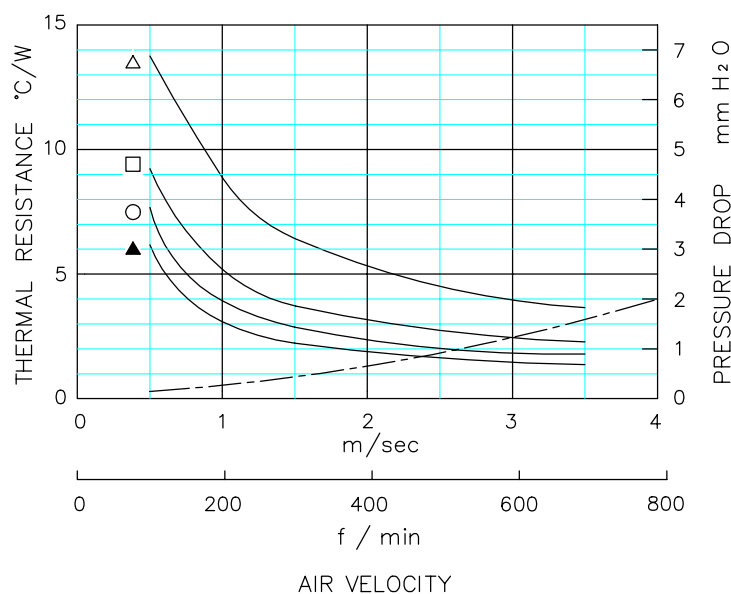


HEAT SINK
 MATERIAL : A 6063
 FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W30-10W	10	2	8.5
W30-15W	15	2	11.0
W30-20W	20	2.5	14.0
W30-25W	25	2.5	16.5

Dimensions : mm

DATA



● Thermal Resistance (Wind Tunnel)

(Solid Line)

● Pressure Drop

(Center Line)

△ W30-10W

□ W30-15W

○ W30-20W

▲ W30-25W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : □ 25.0(mm)

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E mail : alpha@micforg.co.jp

URL : <http://www.micforg.co.jp>

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473 Sapena Ct. #12 Santa Clara, CA 95054 USA

PHONE +1(408)567-8082

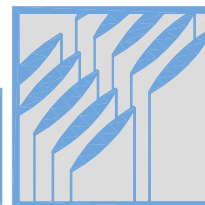
FAX +1(408)567-8053

E mail : sales@alphanovatech.com

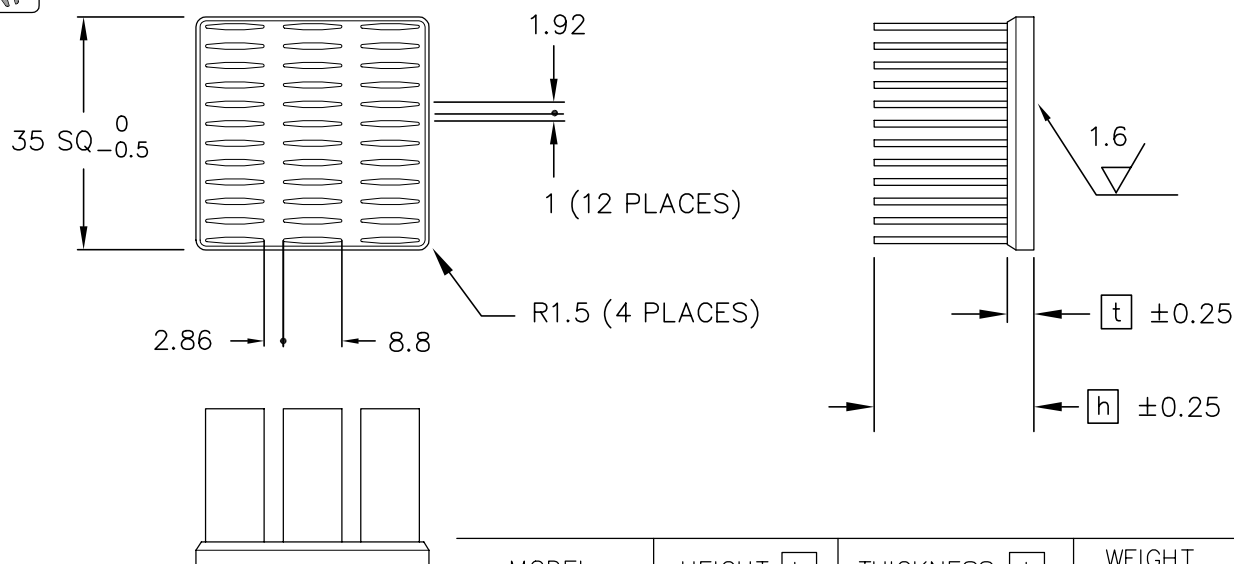
URL : <http://www.alphanovatech.com>

ALPHA

High - Efficiency Heat Sink

W35

DIM

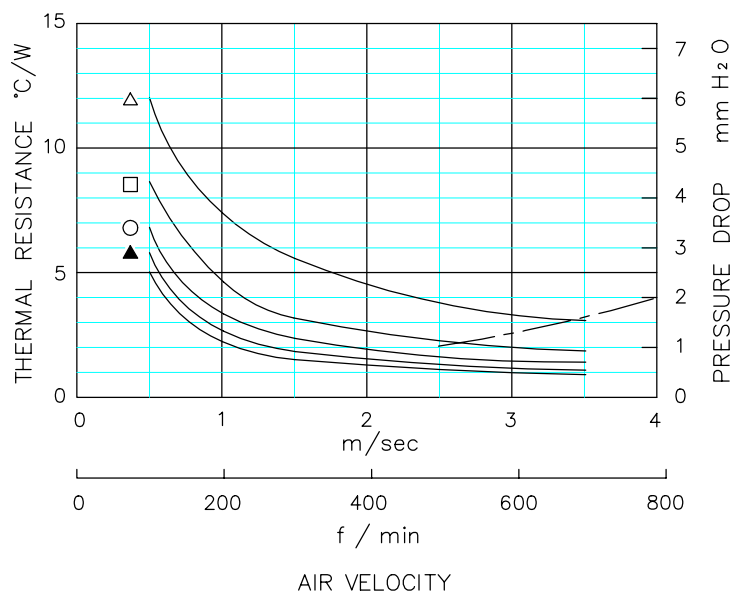


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W35-10W	10	2	12.0
W35-15W	15	2	15.0
W35-20W	20	2.5	19.5
W35-25W	25	2.5	23.0

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ W35-10W
- W35-15W
- W35-20W
- ▲ W35-25W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 25.0(mm)

Alpha Company Ltd.

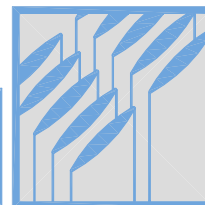
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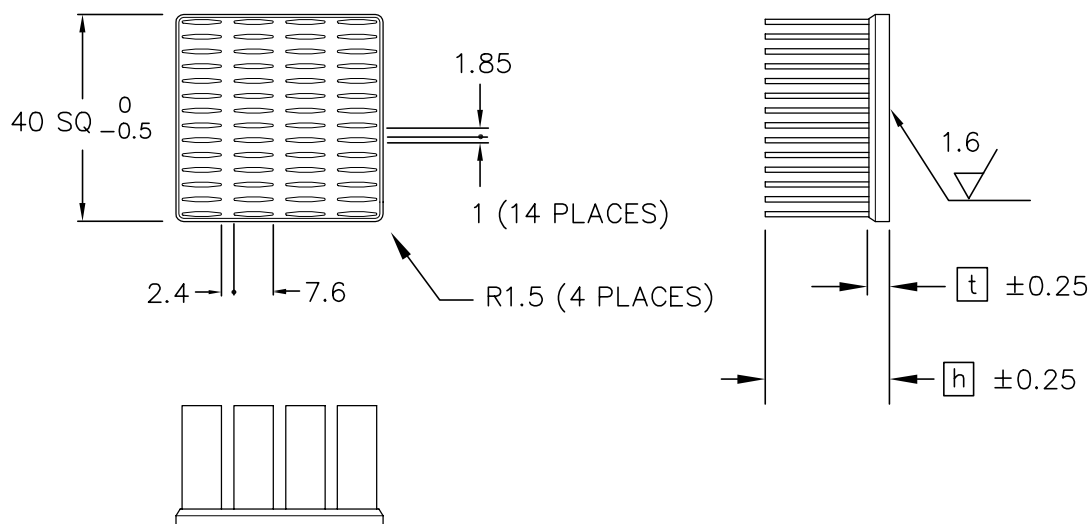
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ALPHA

High - Efficiency Heat Sink

W40

DIM

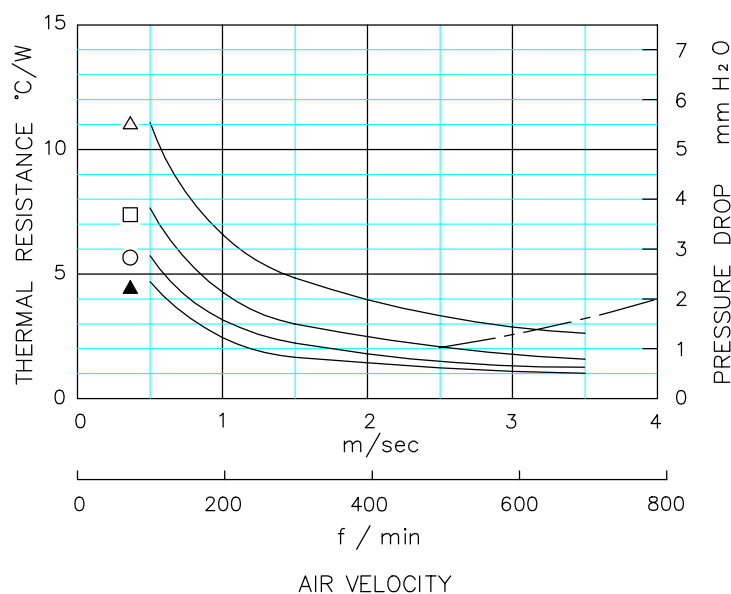


HEAT SINK
 MATERIAL : A 6063
 FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W40-10W	10	2	15.5
W40-15W	15	2	20.0
W40-20W	20	2.5	26.0
W40-25W	25	2.5	30.5

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line —)
- Pressure Drop (Center Line - - -)

Δ W40-10W
 $\square$ W40-15W
 $\circ$ W40-20W
 $\blacktriangle$ W40-25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : $\square 35.0(\text{mm})$

Alpha Company Ltd.

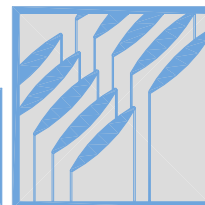
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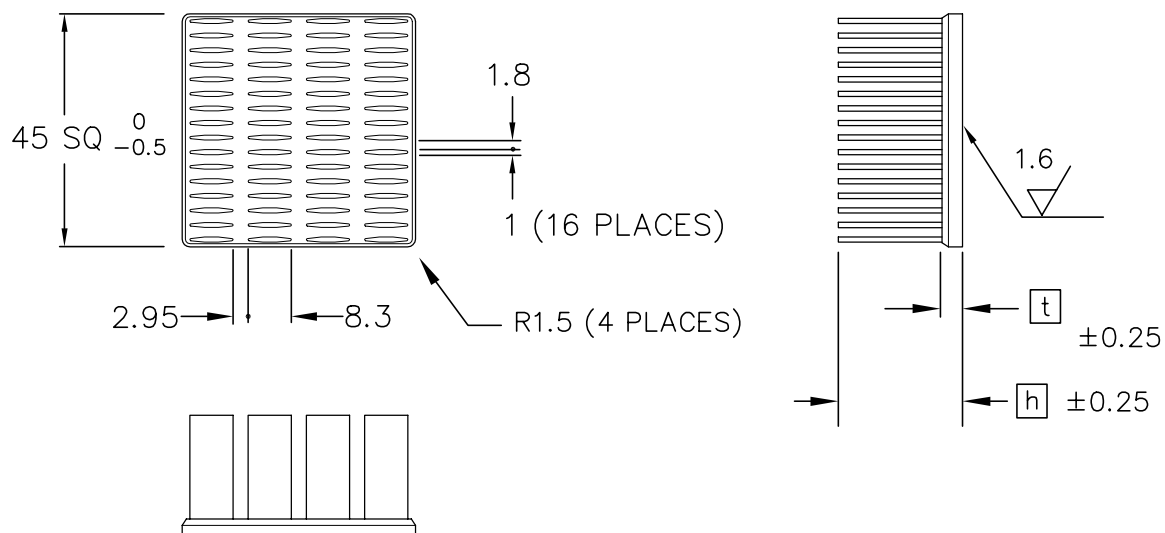
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ALPHA

High - Efficiency Heat Sink

W45

DIM

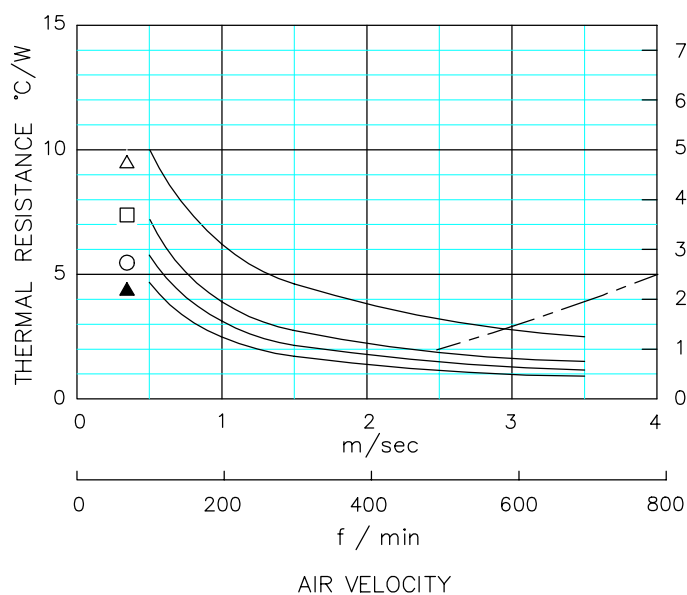


HEAT SINK
 MATERIAL : DAT#063
 FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W45-10W	10	2	19.5
W45-15W	15	2	25.0
W45-20W	20	2.5	33.0
W45-25W	25	2.5	38.5

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel)
(Solid Line)
- Pressure Drop
(Center Line)

- △ W45-10W
- W45-15W
- W45-20W
- ▲ W45-25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : □ 35.0(mm)

Alpha Company Ltd.

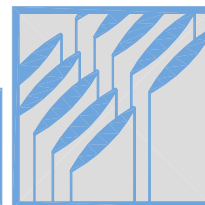
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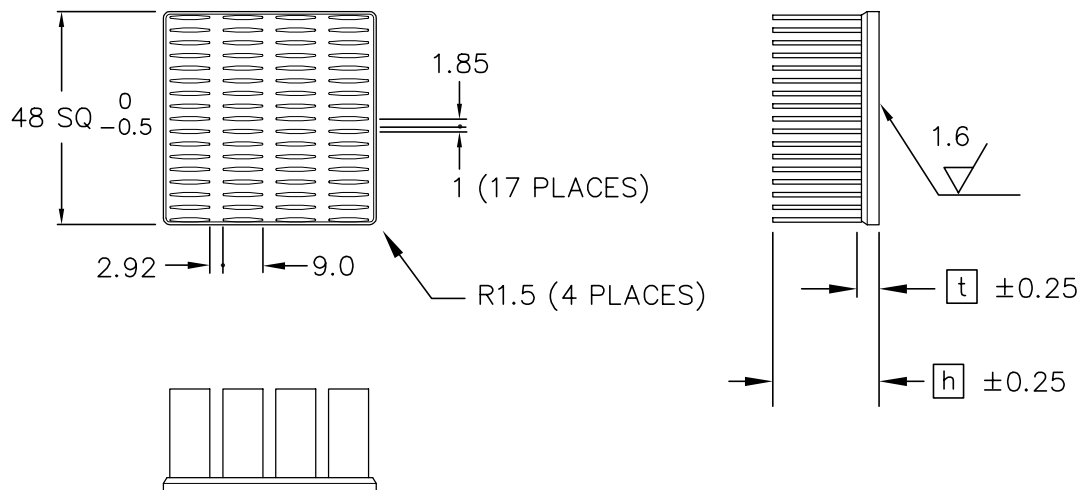
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ALPHA

High - Efficiency Heat Sink

W48

DIM

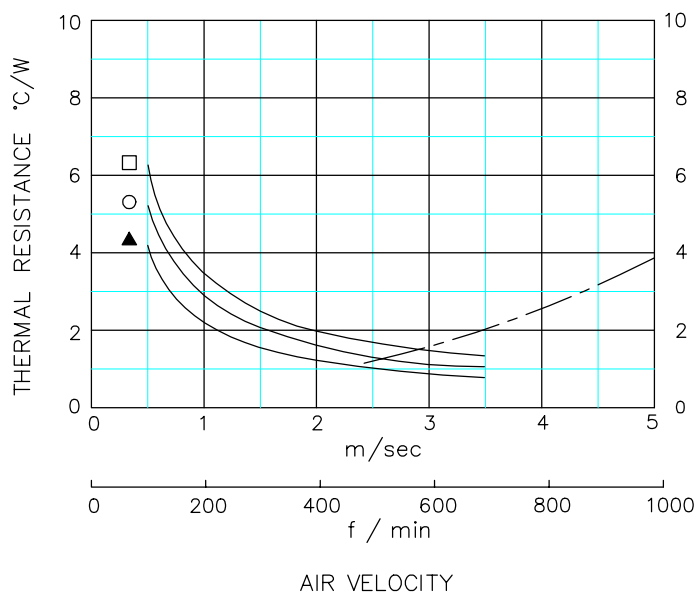


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W48-15W	15	2	29.5
W48-20W	20	2.5	39.0
W48-25W	25	2.5	45.0

Dimensions : mm

DATA



● Thermal Resistance (Wind Tunnel)
(Solid Line)
● Pressure Drop
(Center Line)

□ W48-15W
○ W48-20W
▲ W48-25W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

Alpha Company Ltd.

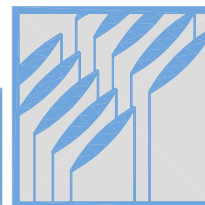
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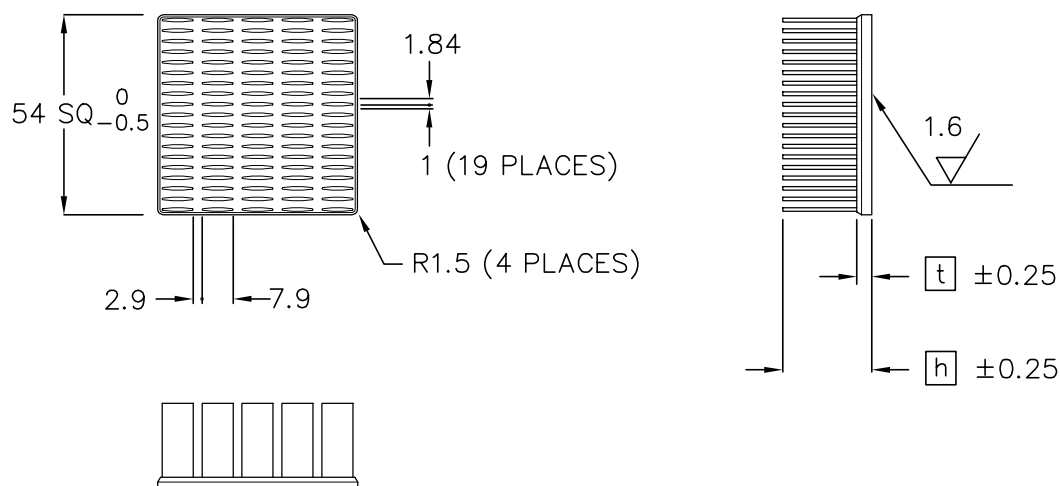
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ALPHA

High - Efficiency Heat Sink

W54

DIM

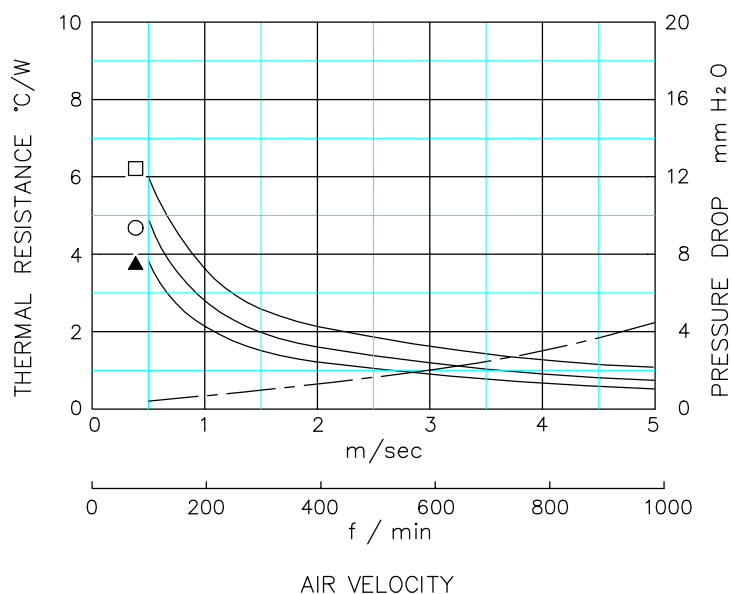


HEAT SINK
 MATERIAL : A 6063
 FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W54-15W	15	3	42.5
W54-20W	20	3	50.0
W54-25W	25	3.5	61.5

Dimensions : mm

DATA



Alpha Company Ltd.

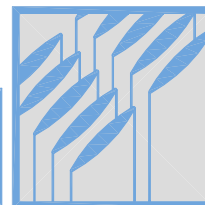
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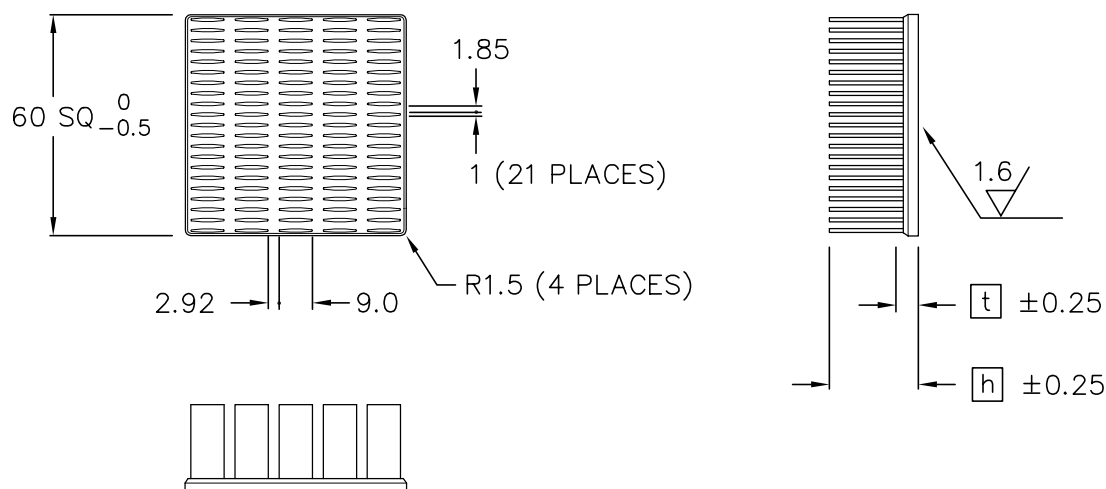
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ALPHA

High - Efficiency Heat Sink

W60

DIM

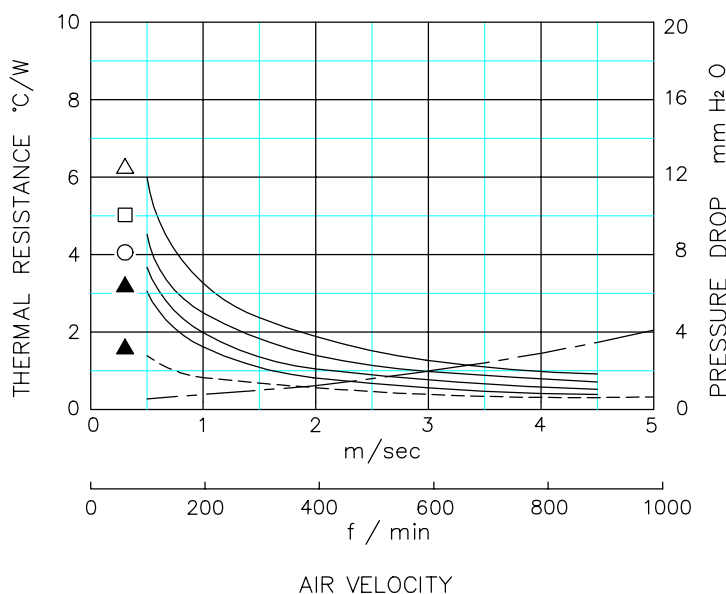


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W60-15W	15	3	54
W60-20W	20	3	64
W60-25W	25	3.5	78
W60-30W	30	4	92

Dimensions : mm

DATA



- Thermal Resistance
 - Wind Tunnel (Solid Line —)
 - Ducted (Broken Line - - -)
- Pressure Drop (Center Line — — —)

- △ W60-15W
- W60-20W
- W60-25W
- ▲ W60-30W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

Alpha Company Ltd.

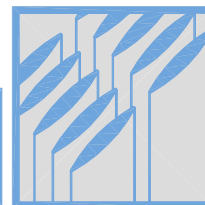
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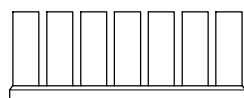
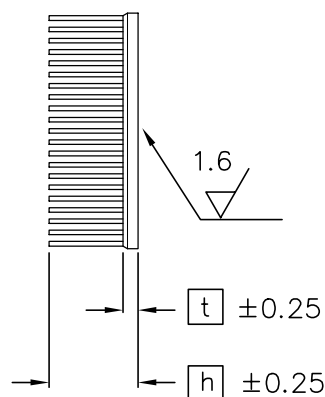
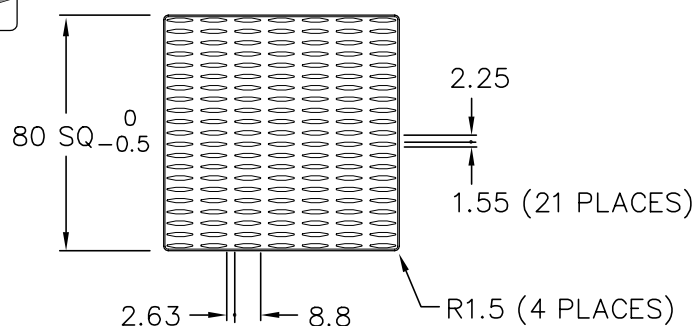
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ALPHA

High - Efficiency Heat Sink

W80

DIM

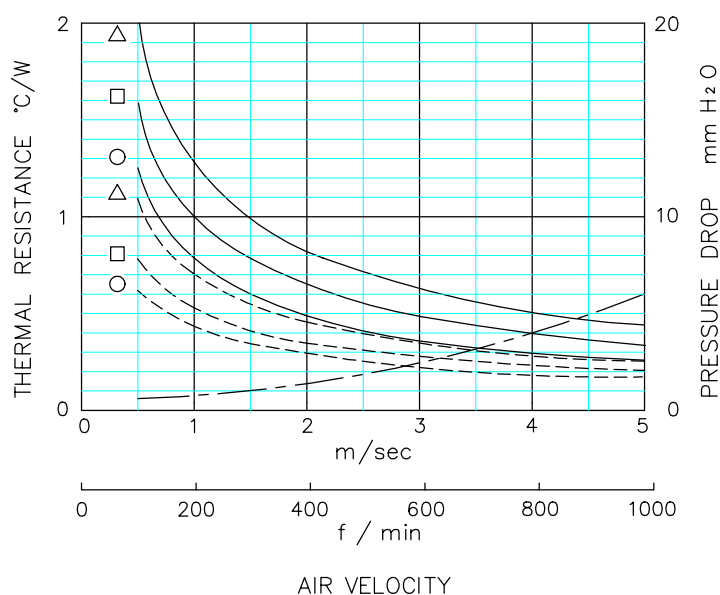


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W80-20W	20	6	158.5
W80-25W	25	6	179
W80-30W	30	6	199.5
W80-35W	35	7	233
W80-40W	40	7	253.5
W80-45W	45	7	274

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



● Thermal Resistance
Wind Tunnel
(Solid Line ———)
Ducted
(Broken Line - - - - -)

● Pressure Drop
(Center Line - - - - -)

△ W80-25W
□ W80-35W
○ W80-45W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 70.0(mm)

Alpha Company Ltd.

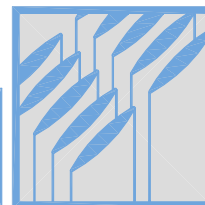
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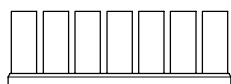
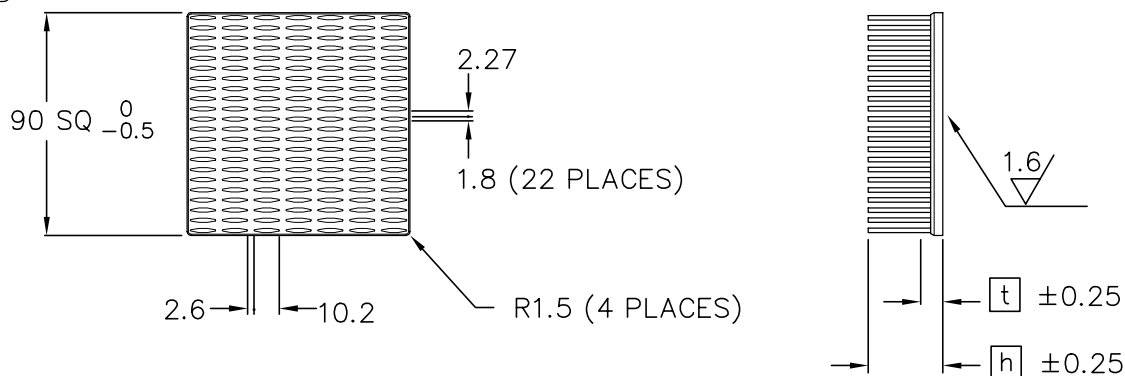
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ALPHA

High - Efficiency Heat Sink

W90

DIM

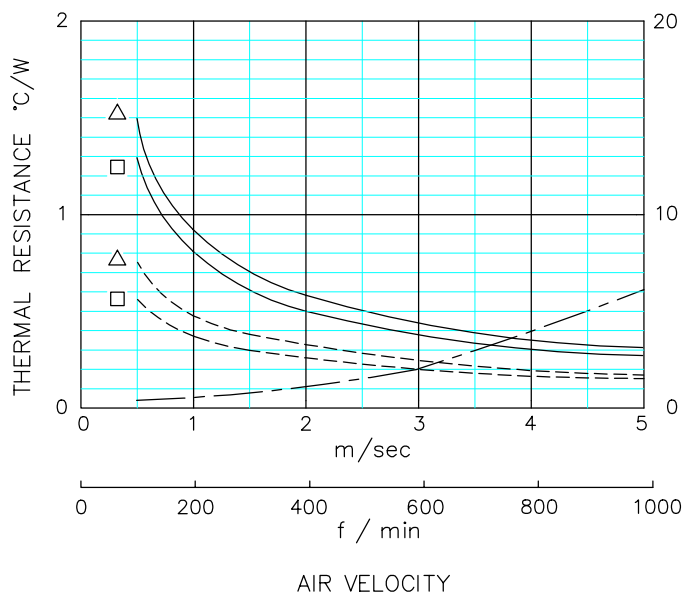


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W90-20W	20	6	199
W90-25W	25	6	227
W90-30W	30	6	255
W90-35W	35	7	311
W90-40W	40	7	339
W90-45W	45	7	367

HEAT SINK
 MATERIAL : A 6063
 FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



- Thermal Resistance
 - Wind Tunnel (Solid Line —)
 - Ducted (Broken Line - - - -)

- Pressure Drop (Center Line - - -)

- △ W90-35W
- W90-45W

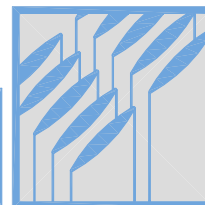
- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : □ 70.0(mm)

Alpha Company Ltd.

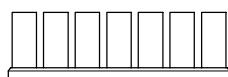
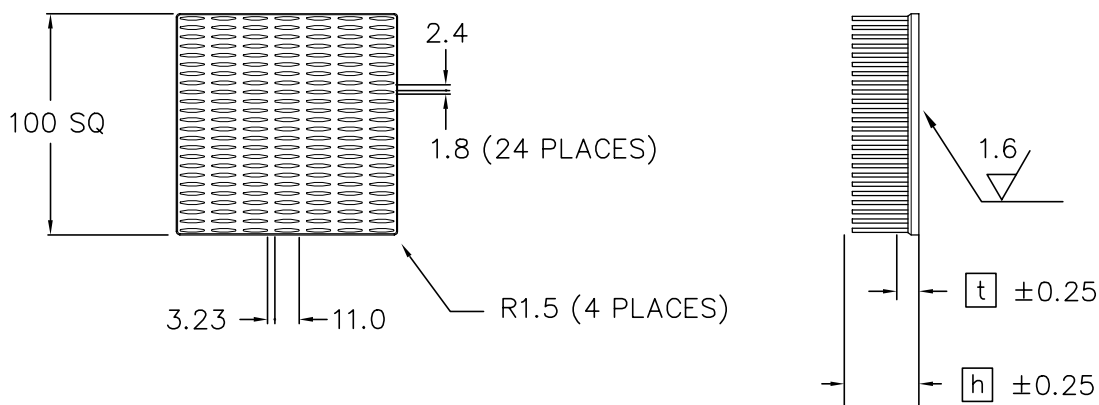
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ALPHA**High - Efficiency Heat Sink****W100**

DIM

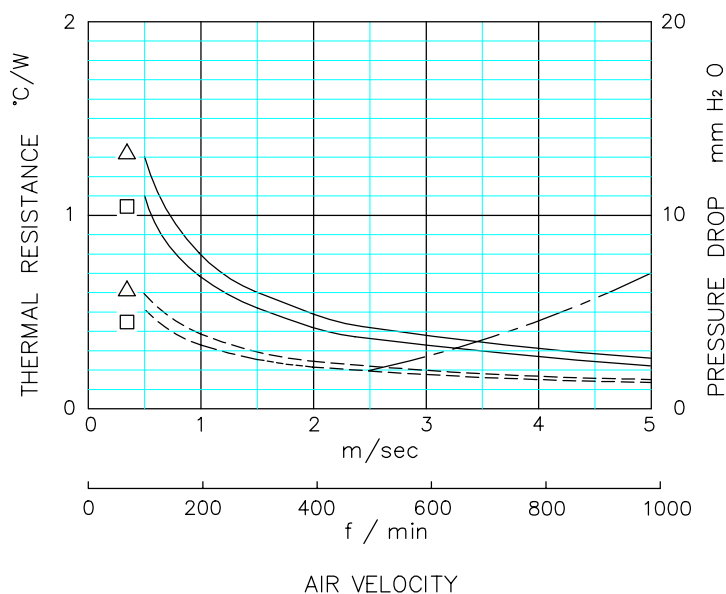


HEAT SINK
 MATERIAL : A 6063
 FINISH : CLEAR ANODIZE

MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W100-20W	20	6	276
W100-25W	25	6	297
W100-30W	30	6	318
W100-35W	35	7	403
W100-40W	40	7	424
W100-45W	45	7	445

Dimensions : mm

DATA



- Thermal Resistance
 - Wind Tunnel (Solid Line —)
 - Ducted (Broken Line - - - -)
- Pressure Drop (Center Line - - -)
- Δ W100-35W
- W100-45W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : □ 70.0(mm)

Alpha Company Ltd.

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