

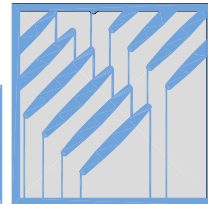
**MD Series**  
**Middle Density Heat Sink**

**ALPHA**

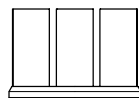
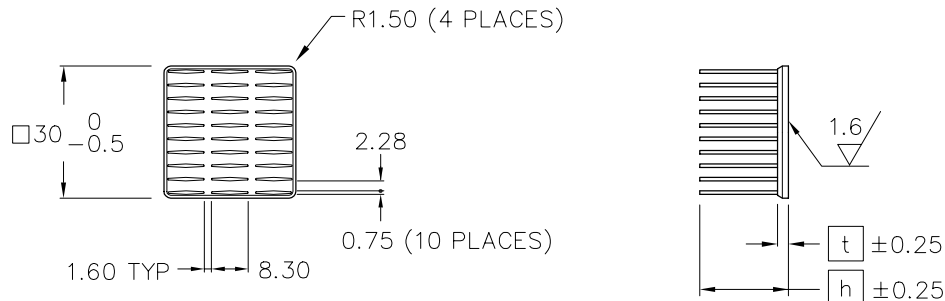
# ALPHA

## Middle Density Heat Sink

# MD30



DIM

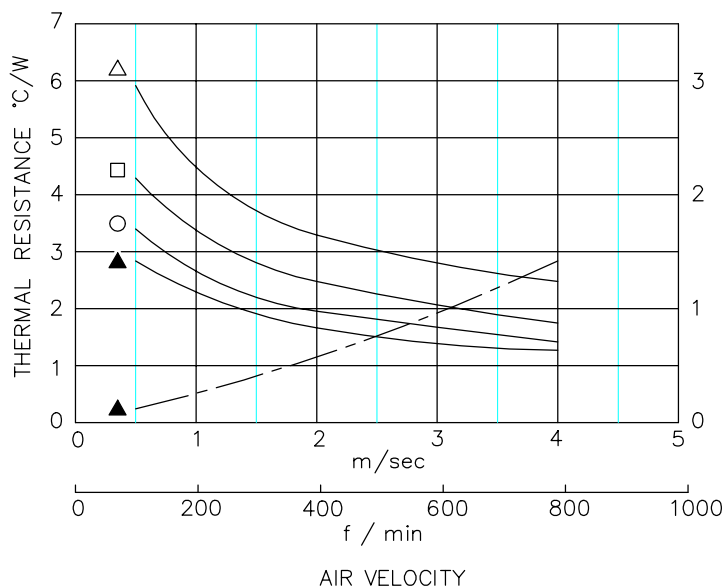


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD30-10B	10	2.0	8.2
MD30-15B	15	2.5	11.2
MD30-20B	20	2.5	13.2
MD30-25B	25	2.5	15.2

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



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

- Δ MD30-10B
- MD30-15B
- MD30-20B
- ▲ MD30-25B

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

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

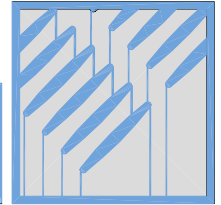
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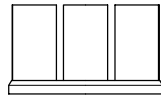
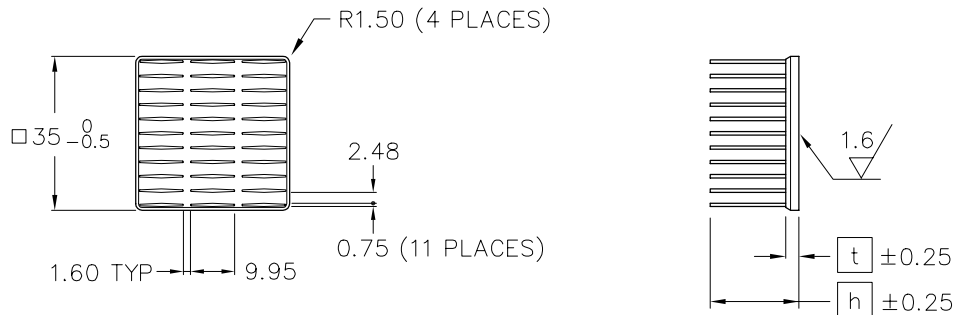
# ALPHA

## Middle Density Heat Sink

# MD35



DIM

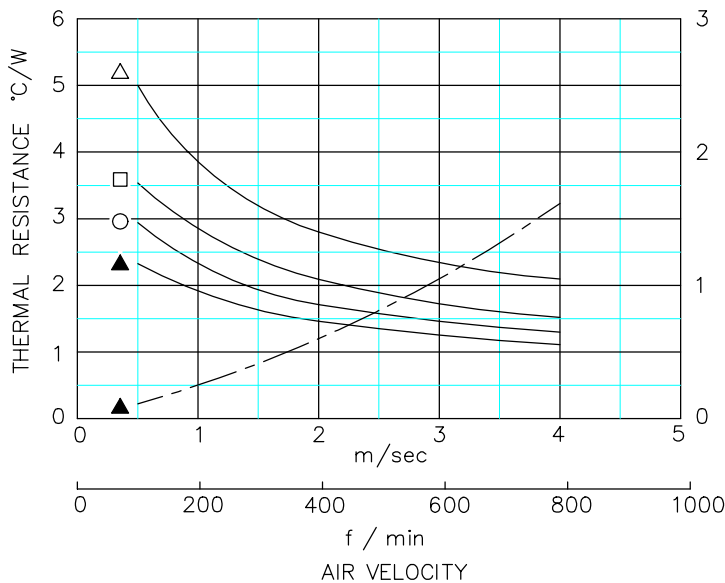


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD35-10B	10	2.0	10.8
MD35-15B	15	2.5	16.3
MD35-20B	20	3.0	18.8
MD35-25B	25	3.0	21.5

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



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

- △ MD35-10B
- MD35-15B
- MD35-20B
- ▲ MD35-25B

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

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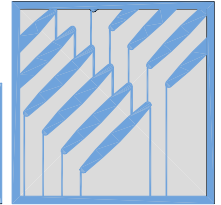
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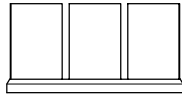
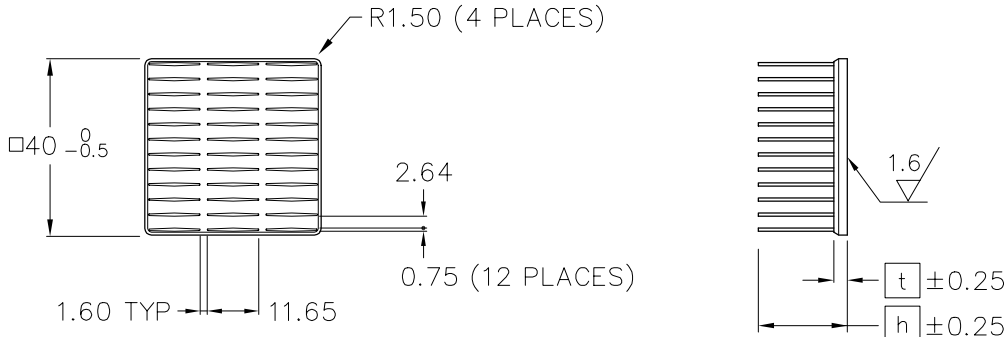
# ALPHA

## Middle Density Heat Sink

# MD40



DIM

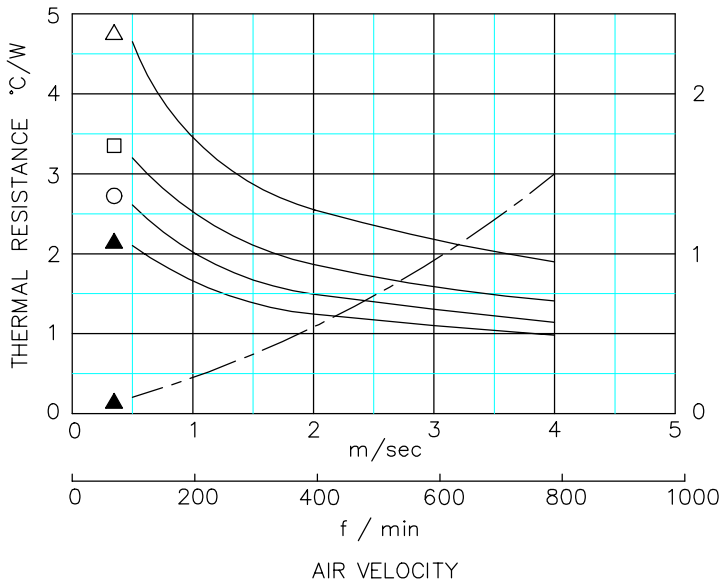


HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD40-10B	10	2.0	14.1
MD40-15B	15	2.5	19.7
MD40-20B	20	3.0	25.0
MD40-25B	25	3.0	28.5

Dimensions : mm

DATA



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

△ MD40-10B  
 □ MD40-15B  
 ○ MD40-20B  
 ▲ MD40-25B

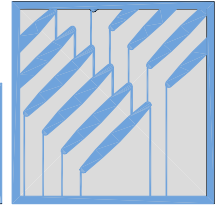
■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)  
 Dummy Heater Size : □ 12.7(mm)

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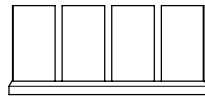
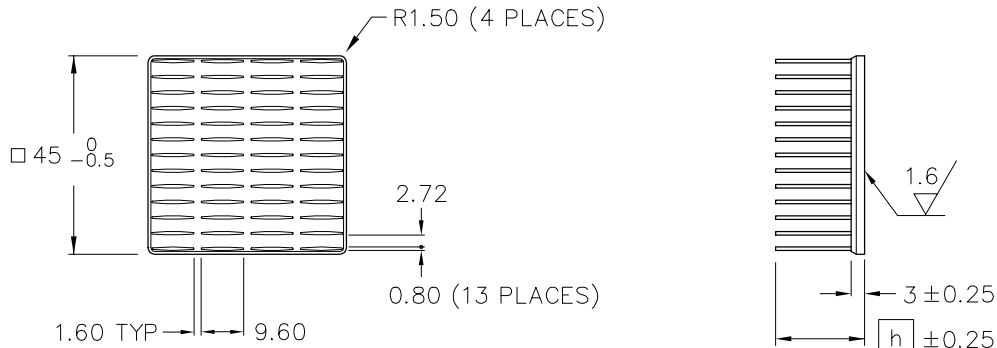
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DIM

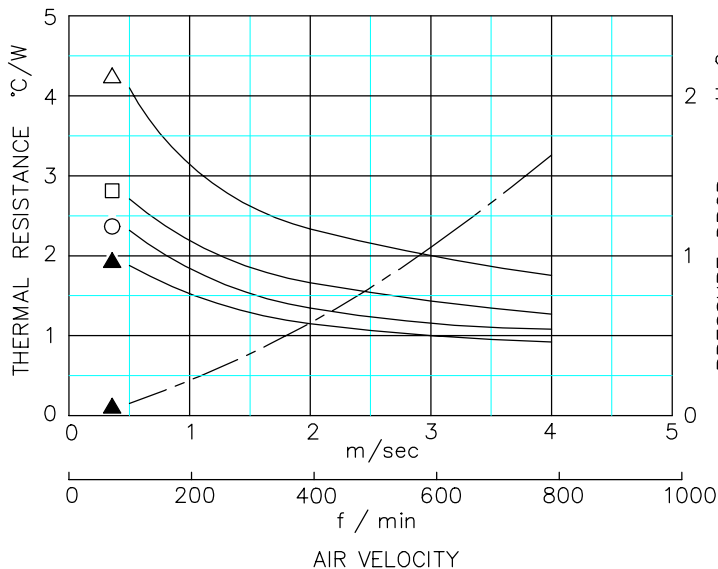


HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
MD45-10B	10	22.3
MD45-15B	15	26.4
MD45-20B	20	30.4
MD45-25B	25	34.4

Dimensions : mm

DATA



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

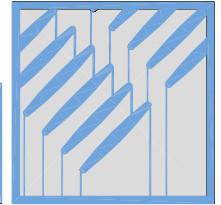
- △ MD45-10B
- MD45-15B
- MD45-20B
- ▲ MD45-25B

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

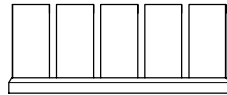
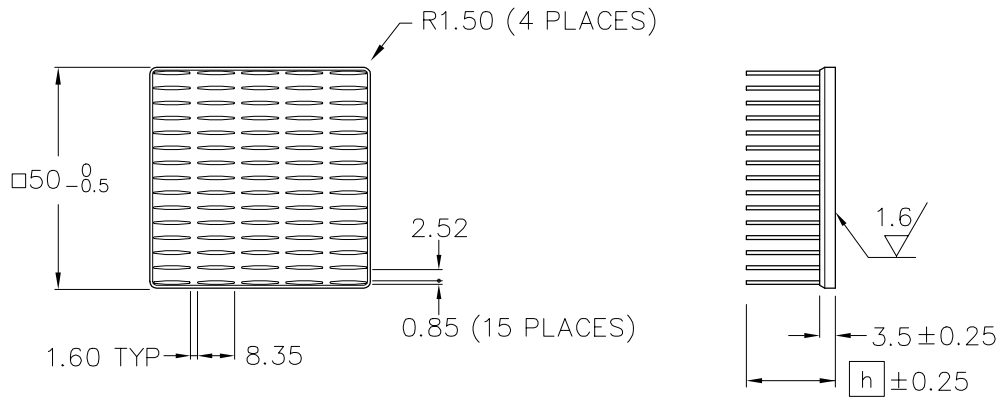
# ALPHA

## Middle Density Heat Sink

# MD50



DIM

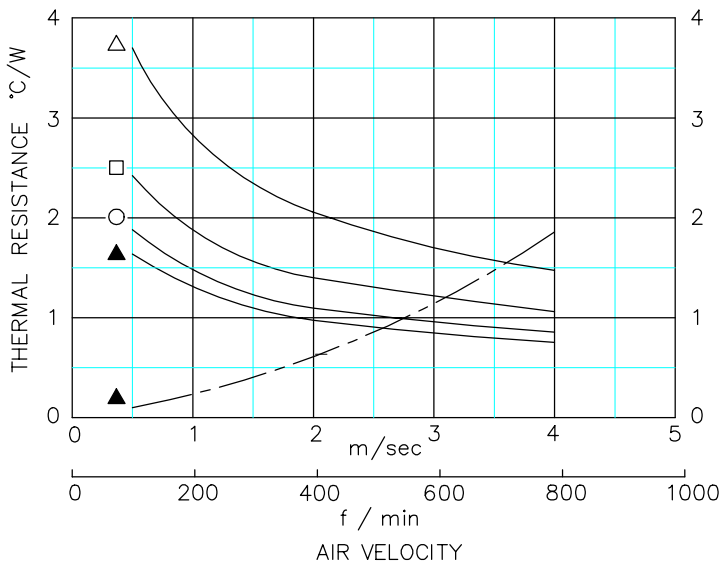


HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

MODEL	HEIGHT $h$	WEIGHT (grams)
MD50-10B	10	30.7
MD50-15B	15	36.0
MD50-20B	20	41.3
MD50-25B	25	46.6

Dimensions : mm

DATA



- Thermal Resistance ( Ducted )  
( Solid Line ——— )
- Pressure Drop  
( Center Line - - - )
- △ MD50-10B
- MD50-15B
- MD50-20B
- ▲ MD50-25B
- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)  
Dummy Heater Size : □ 12.7(mm)

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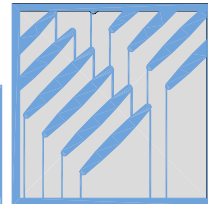
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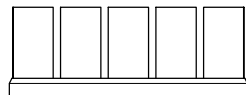
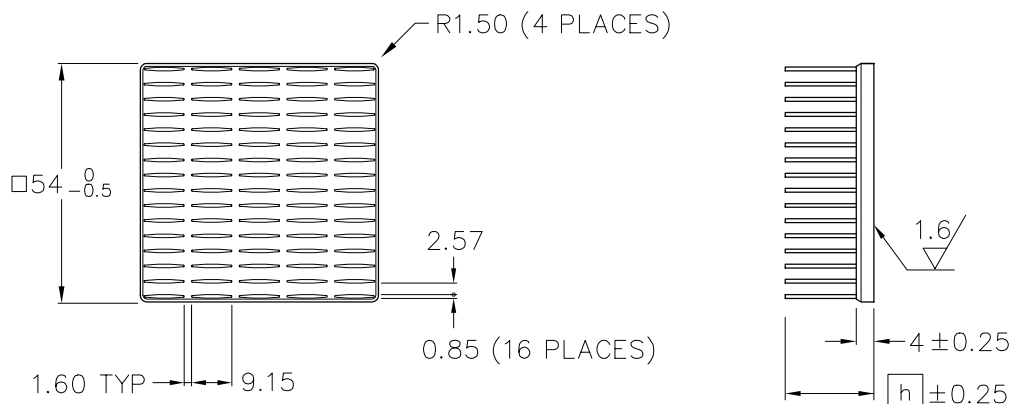
# ALPHA

## Middle Density Heat Sink

# MD54



DIM

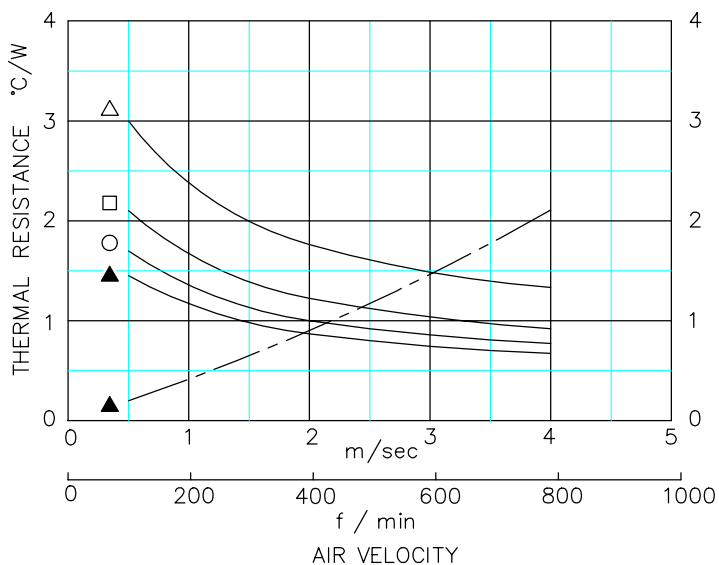


MODEL	HEIGHT [h]	WEIGHT (grams)
MD54-10B	10	39.3
MD54-15B	15	45.6
MD54-20B	20	51.9
MD54-25B	25	58.2

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



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

- △ MD54-10B
- MD54-15B
- MD54-20B
- ▲ MD54-25B

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

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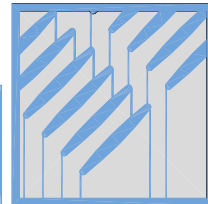
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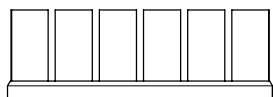
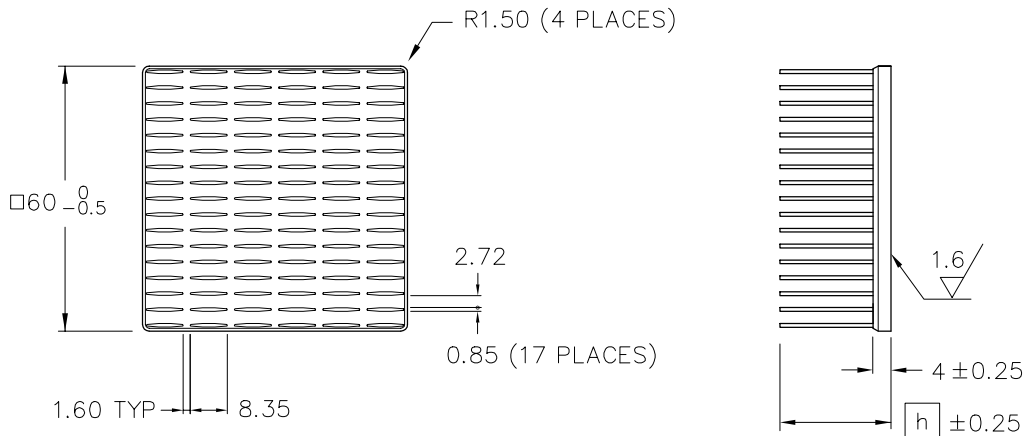
# ALPHA

## Middle Density Heat Sink

# MD60



DIM

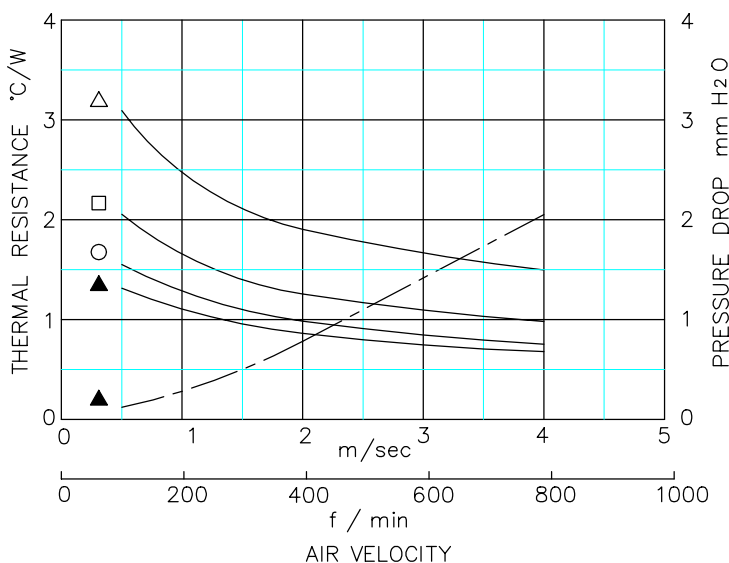


HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

MODEL	HEIGHT $h$	WEIGHT (grams)
MD60-10B	10	47.3
MD60-15B	15	54.7
MD60-20B	20	62.1
MD60-25B	25	69.5

Dimensions : mm

DATA



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

- △ MD60-10B
- MD60-15B
- MD60-20B
- ▲ MD60-25B

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

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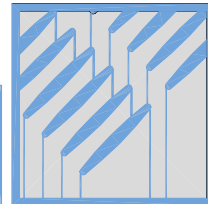
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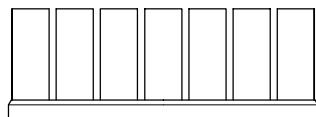
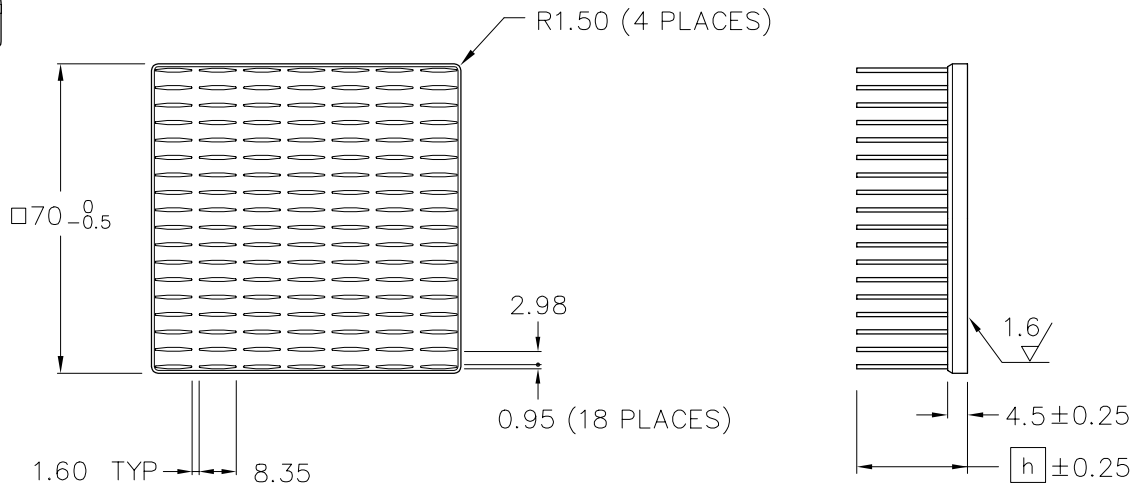
# ALPHA

## Middle Density Heat Sink

# MD70



DIM

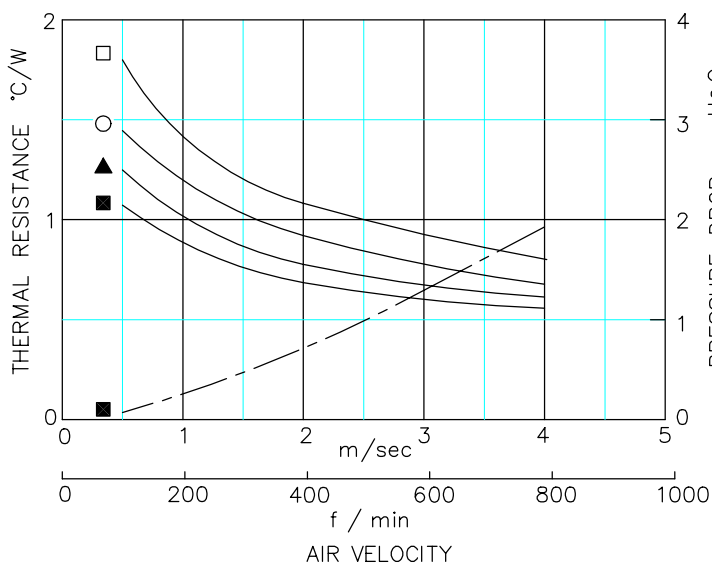


MODEL	HEIGHT [h]	WEIGHT (grams)
MD70-15B	15	81.8
MD70-20B	20	91.0
MD70-25B	25	100.2
MD70-30B	30	109.4

Dimensions : mm

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

DATA



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

- MD70-15B
- MD70-20B
- ▲ MD70-25B
- MD70-30B

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

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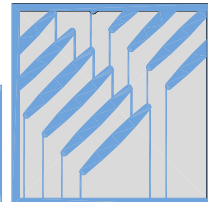
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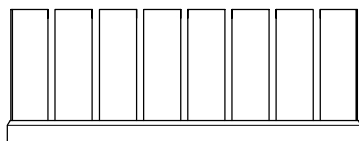
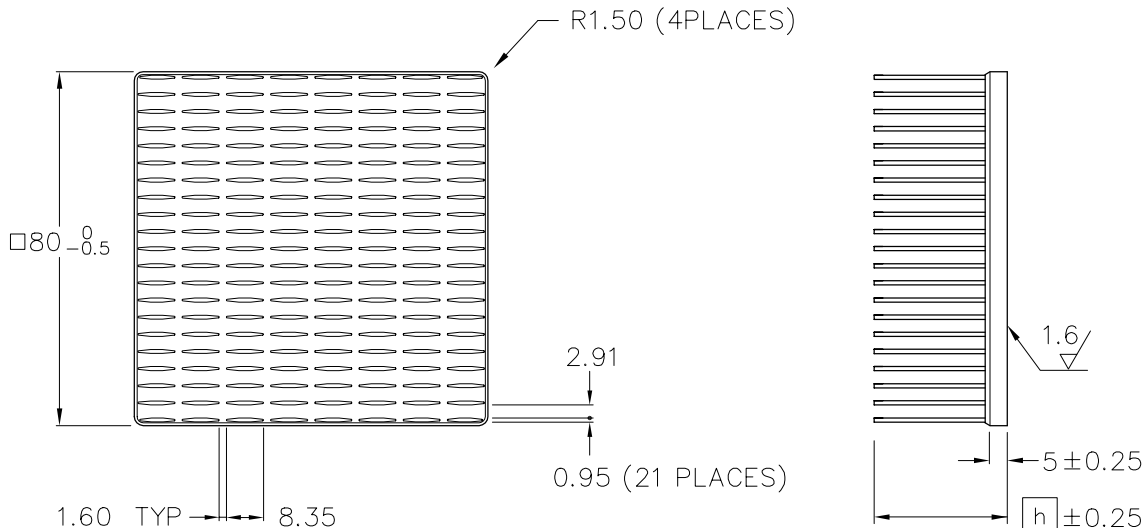
# ALPHA

## Middle Density Heat Sink

# MD 80



DIM

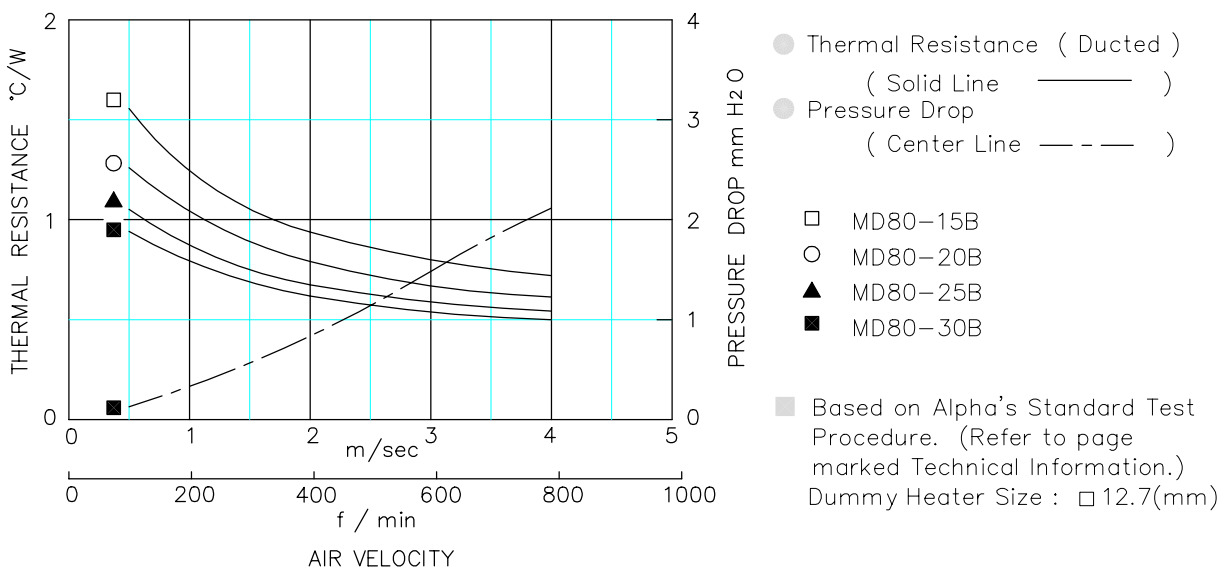


MODEL	HEIGHT [h]	WEIGHT (grams)
MD80-15B	15	114.2
MD80-20B	20	127.3
MD80-25B	25	140.4
MD80-30B	30	153.5

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



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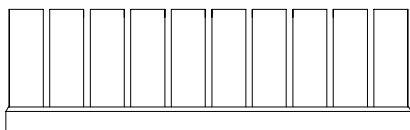
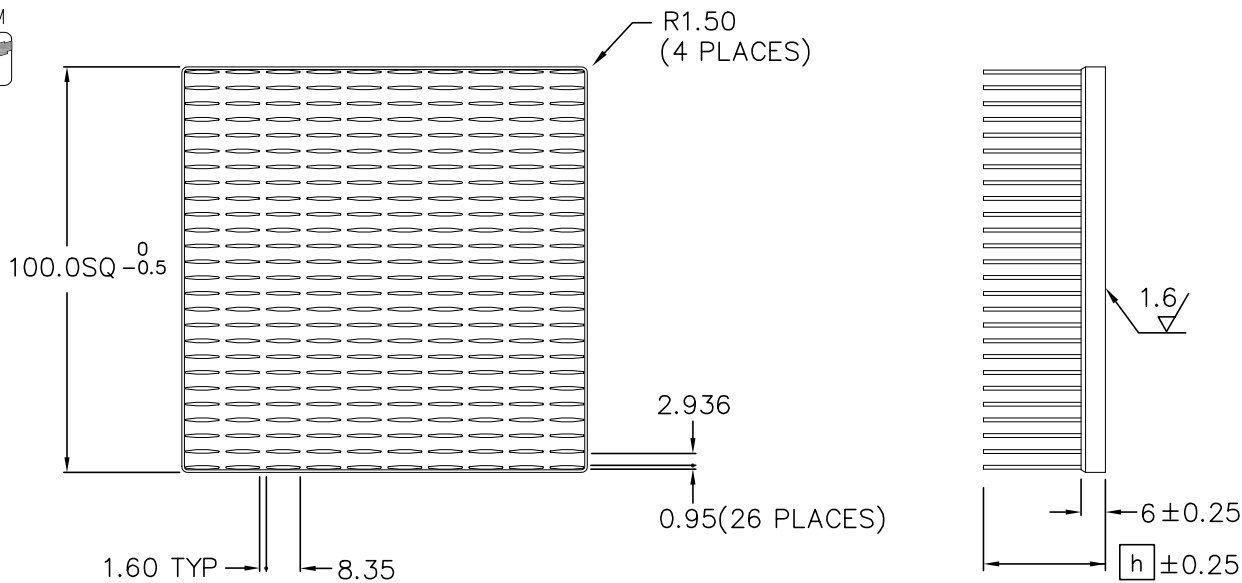
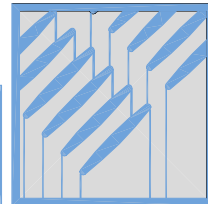
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# ALPHA

## Middle Density Heat Sink

# MD100

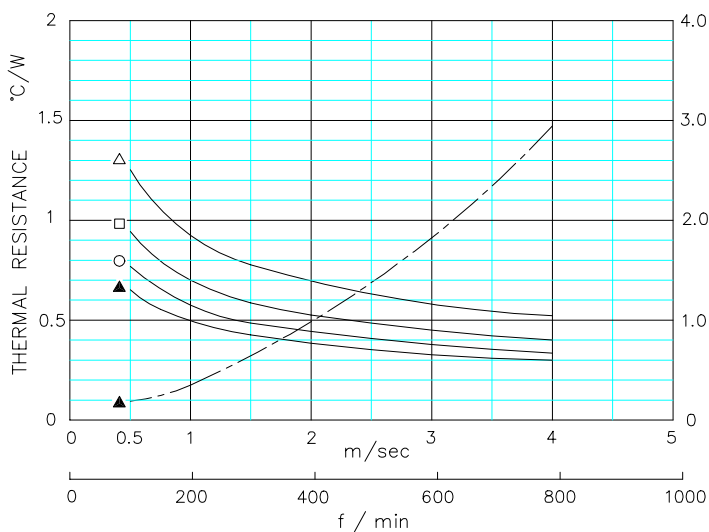


MODEL	HEIGHT [h]	WEIGHT (grams)
MD100-15B	15	196.5
MD100-20B	20	216.8
MD100-25B	25	237.1
MD100-30B	30	257.4

HEAT SINK  
 MATERIAL : A 6063  
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



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

- △ MD100-15B
- MD100-20B
- MD100-25B
- ▲ MD100-30B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)  
 Dummy Heater Size : □ 25.4(mm)

Alpha Company Ltd.

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