

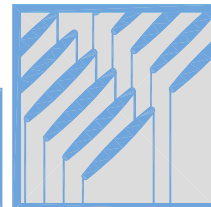
MD Series

Middle Density Heat Sink

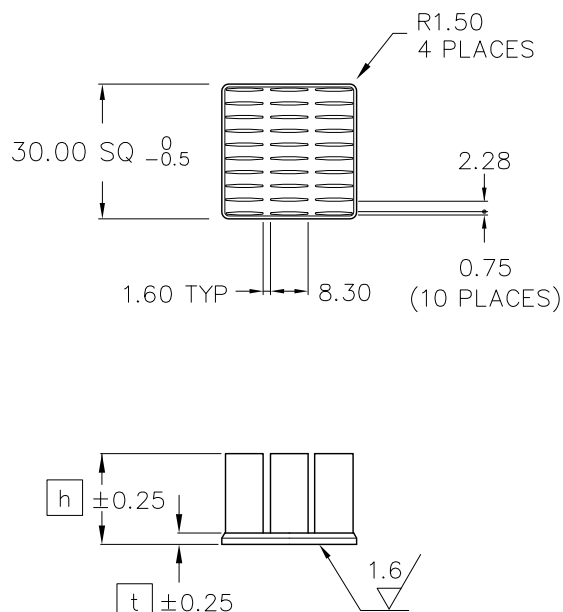
ALPHA

ALPHA

Middle Density Heat Sink

MD30

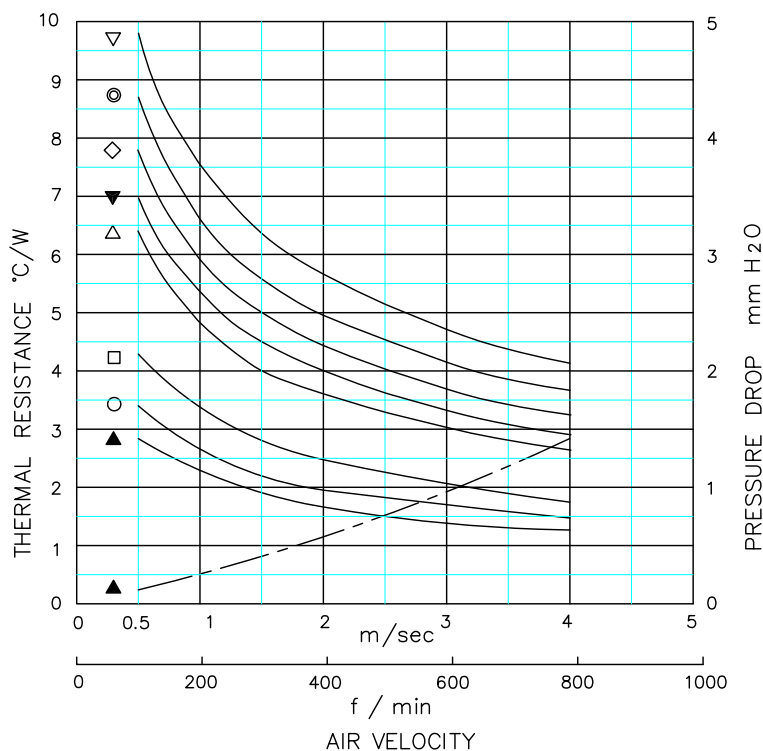
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD30-6B	6	2.0	6.4
MD30-7B	7		6.8
MD30-8B	8		7.2
MD30-9B	9		7.6
MD30-10B	10		8.0
MD30-15B	15	2.5	11.2
MD30-20B	20		13.2
MD30-25B	25		15.2

MATERIAL : A 6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

DATA



- ▽ MD30-6B
- ⊙ MD30-7B
- ◇ MD30-8B
- ▼ MD30-9B
- △ MD30-10B
- MD30-15B
- MD30-20B
- ▲ MD30-25B

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

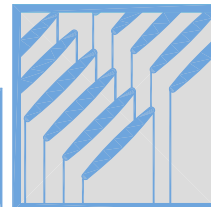
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

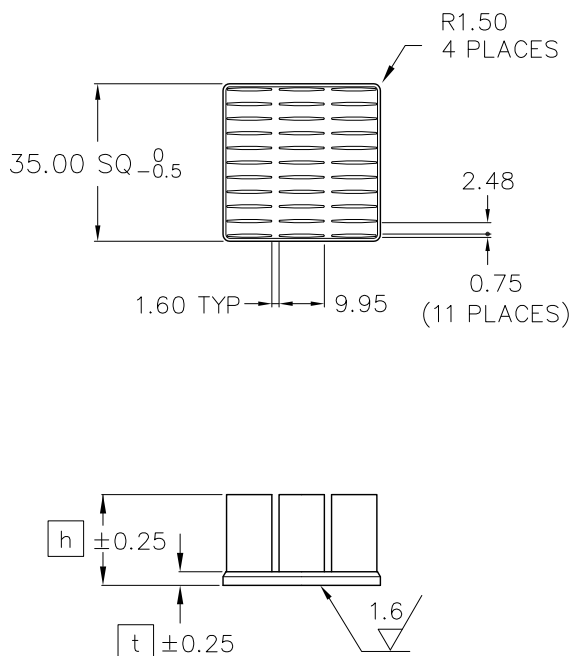
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
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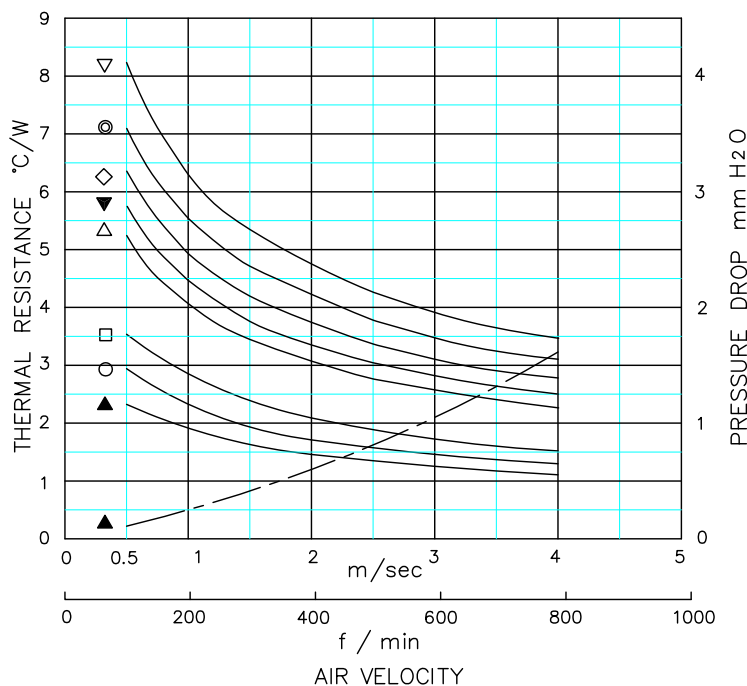
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD35-6B	6	2.0	8.7
MD35-7B	7		9.2
MD35-8B	8		9.7
MD35-9B	9		10.3
MD35-10B	10		10.8
MD35-15B	15	2.5	14.8
MD35-20B	20		18.8
MD35-25B	25		21.5

MATERIAL : A 6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



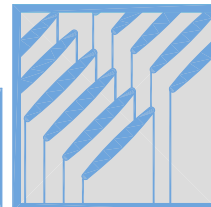
▽ MD35-6B
⊙ MD35-7B
◇ MD35-8B
▼ MD35-9B
△ MD35-10B
□ MD35-15B
○ MD35-20B
▲ MD35-25B

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

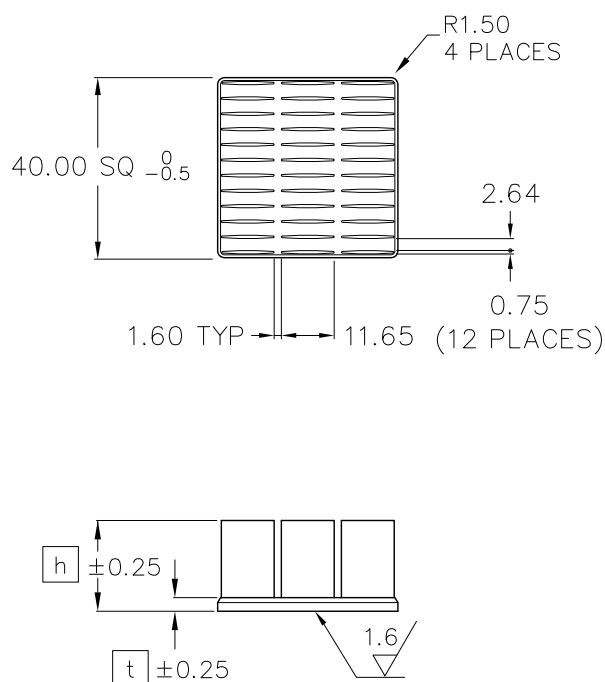
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

ALPHA

Middle Density Heat Sink

MD40

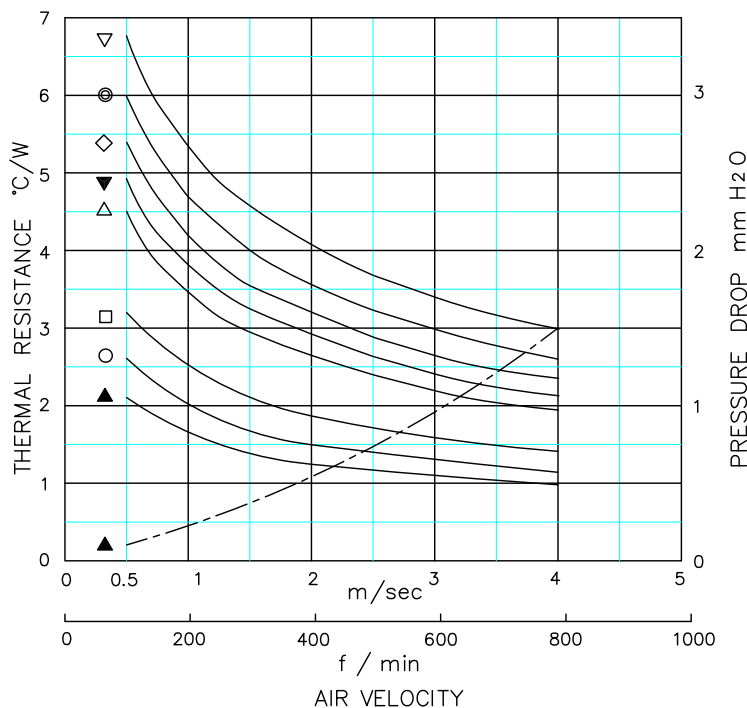
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD40-6B	6	2.0	11.2
MD40-7B	7		11.9
MD40-8B	8		12.6
MD40-9B	9		13.3
MD40-10B	10		14.0
MD40-15B	15	2.5	19.7
MD40-20B	20		25.0
MD40-25B	25		28.5

MATERIAL : A 6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ▽ MD40-6B
- MD40-7B
- ◇ MD40-8B
- ▼ MD40-9B
- △ MD40-10B
- MD40-15B
- MD40-20B
- ▲ MD40-25B

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

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

Alpha Company Ltd.

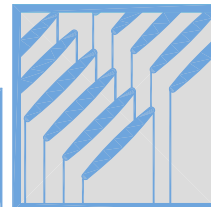
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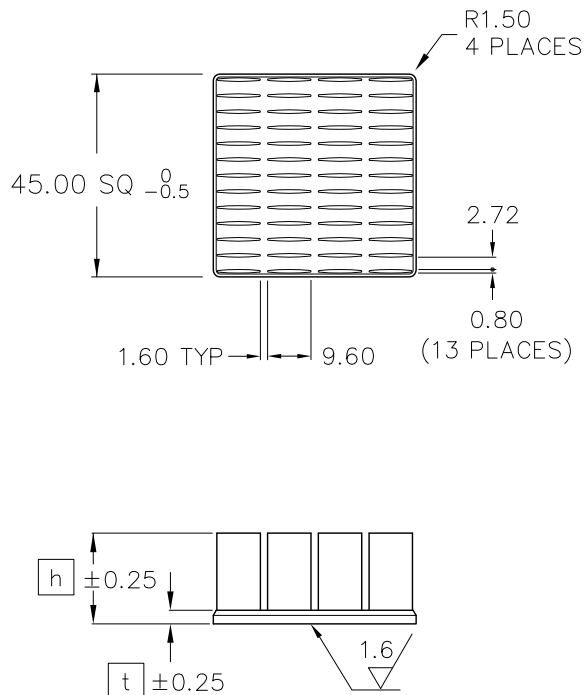
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ALPHA

Middle Density Heat Sink

MD45

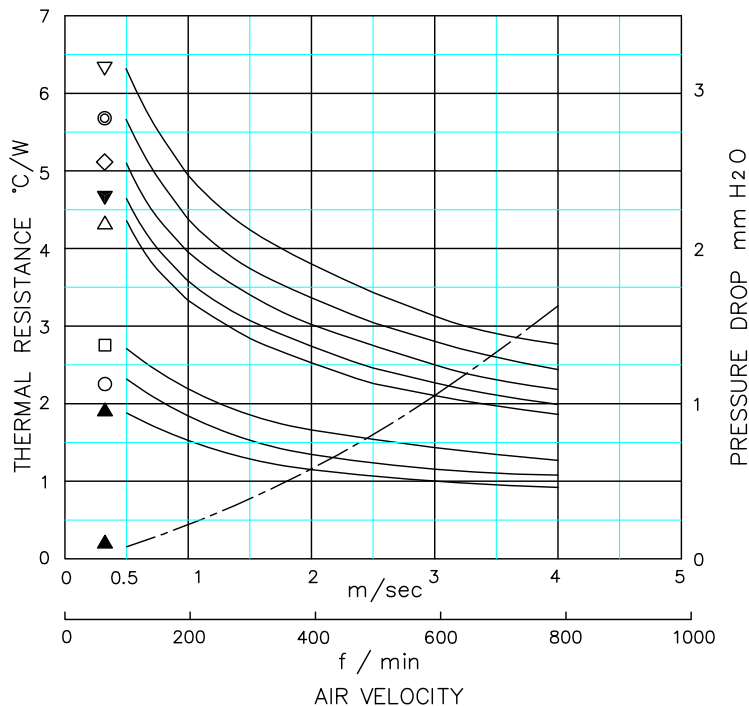
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD45-6B	6	2.5	16.3
MD45-7B	7		17.1
MD45-8B	8		18.0
MD45-9B	9	3.0	18.8
MD45-10B	10		22.3
MD45-15B	15		26.4
MD45-20B	20		30.4
MD45-25B	25		34.4

MATERIAL : A 6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

DATA



- ▽ MD45-6B
- MD45-7B
- ◇ MD45-8B
- ▼ MD45-9B
- △ MD45-10B
- MD45-15B
- MD45-20B
- ▲ MD45-25B

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

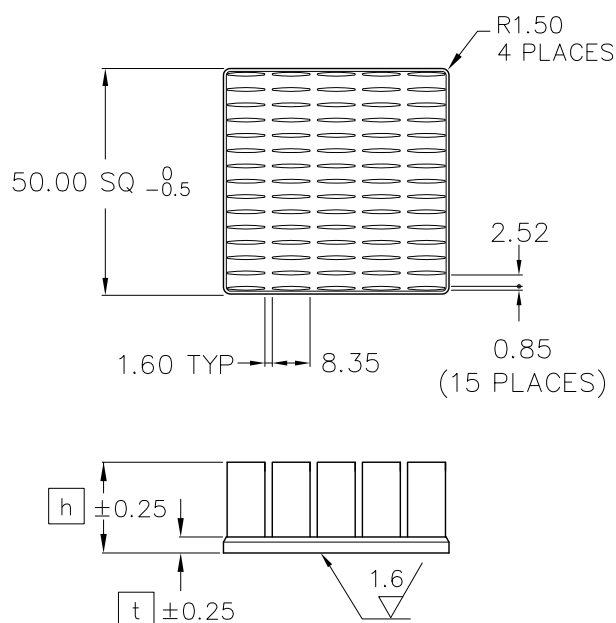
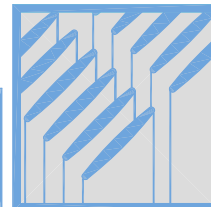
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.

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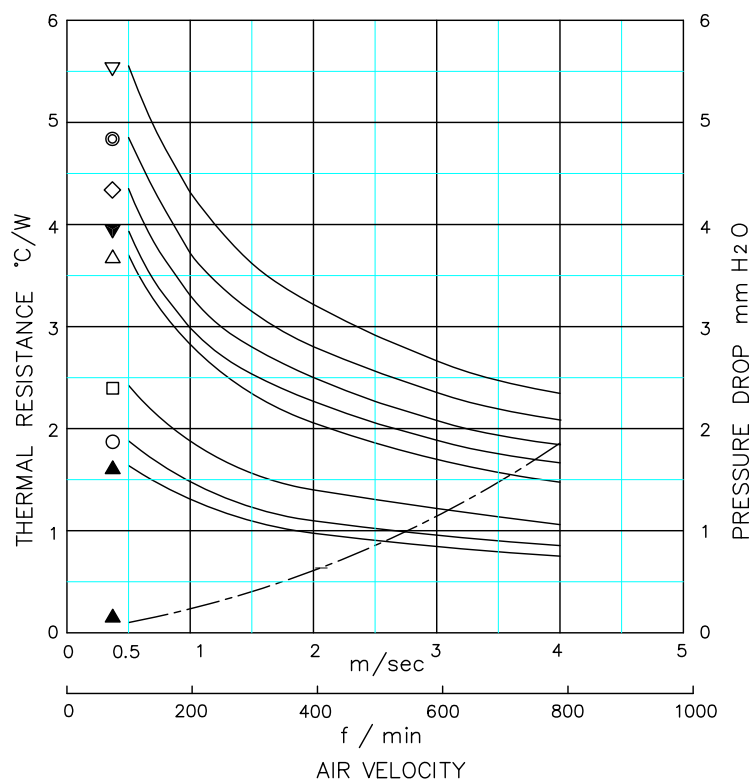
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MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
MD50-6B	6	2.5	20.6
MD50-7B	7		21.7
MD50-8B	8		22.8
MD50-9B	9		23.9
MD50-10B	10	3.5	30.7
MD50-15B	15		36.0
MD50-20B	20		41.3
MD50-25B	25		46.6

MATERIAL : A 6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm



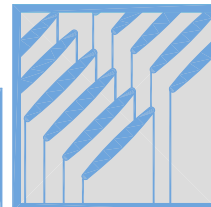
▽	MD50-6B
◎	MD50-7B
◇	MD50-8B
▼	MD50-9B
△	MD50-10B
□	MD50-15B
○	MD50-20B
▲	MD50-25B

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

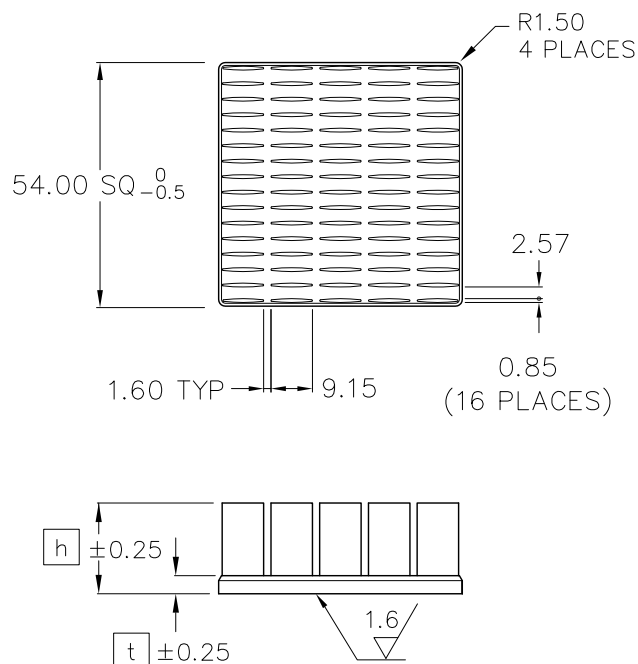
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

ALPHA

Middle Density Heat Sink

MD54

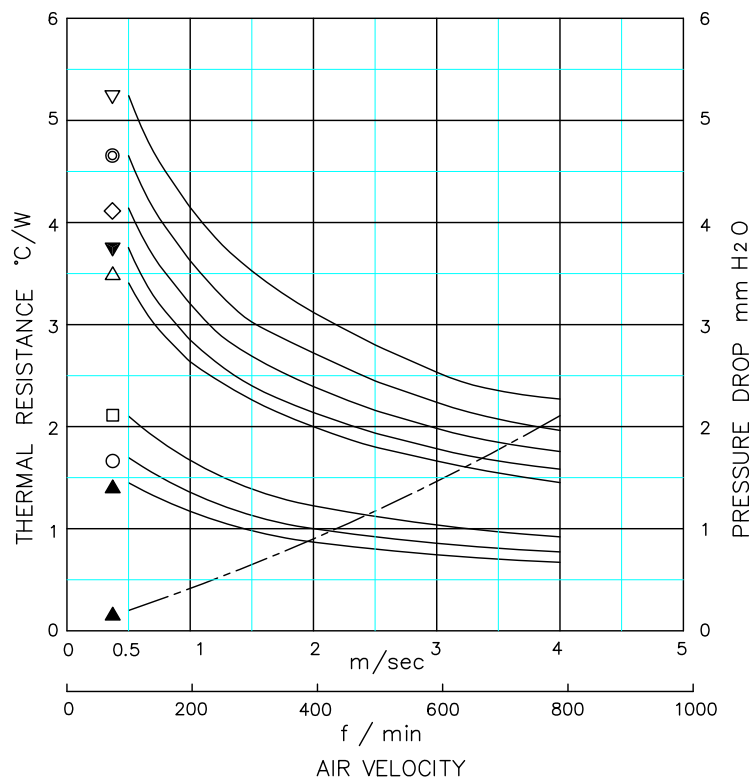
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD54-6B	6	3	26.9
MD54-7B	7		28.2
MD54-8B	8		29.5
MD54-9B	9		30.8
MD54-10B	10	4	39.3
MD54-15B	15		45.6
MD54-20B	20		51.9
MD54-25B	25		58.2

MATERIAL : A 6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

DATA



- ▽ MD54-6B
- ⊙ MD54-7B
- ◇ MD54-8B
- ▼ MD54-9B
- △ MD54-10B
- MD54-15B
- MD54-20B
- ▲ MD54-25B

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

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

Alpha Company Ltd.

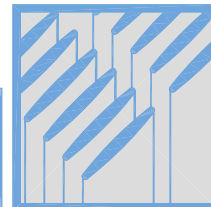
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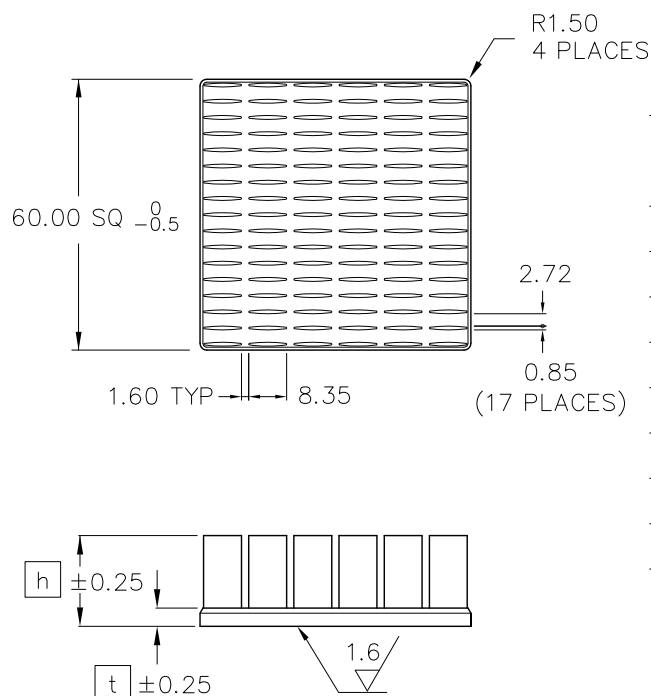
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ALPHA

Middle Density Heat Sink

MD60

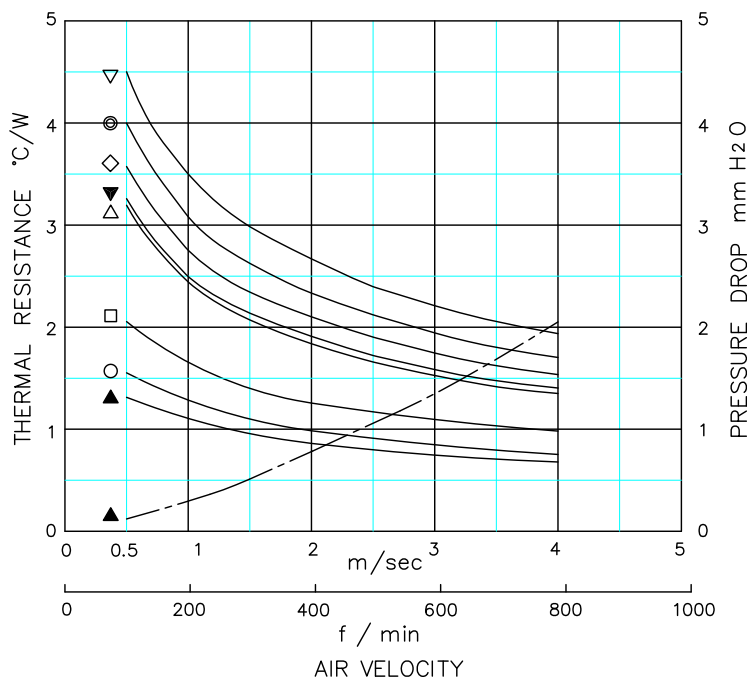
DIM



MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
MD60-6B	6	3	33.1
MD60-7B	7		34.9
MD60-8B	8		36.7
MD60-9B	9		38.6
MD60-10B	10	4	47.3
MD60-15B	15		54.7
MD60-20B	20		62.1
MD60-25B	25		69.5

MATERIAL : A 6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

DATA



- ▽ MD60-6B
- ⊙ MD60-7B
- ◇ MD60-8B
- ▼ MD60-9B
- △ MD60-10B
- MD60-15B
- MD60-20B
- ▲ MD60-25B

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

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

Alpha Company Ltd.

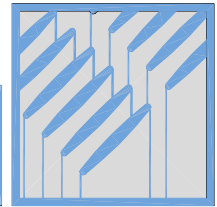
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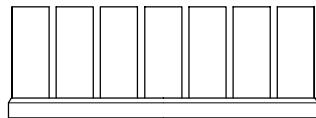
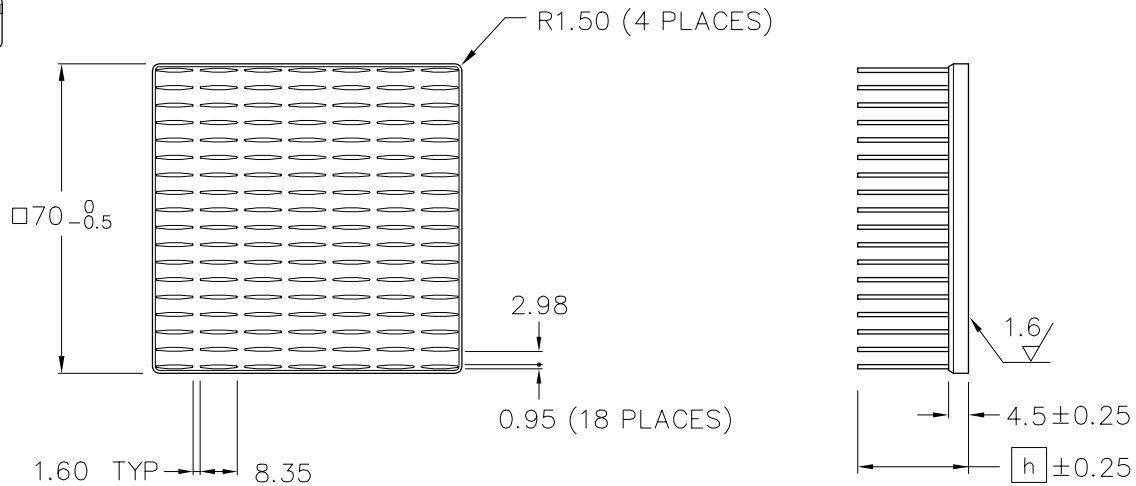
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ALPHA

Middle Density Heat Sink

MD70

DIM

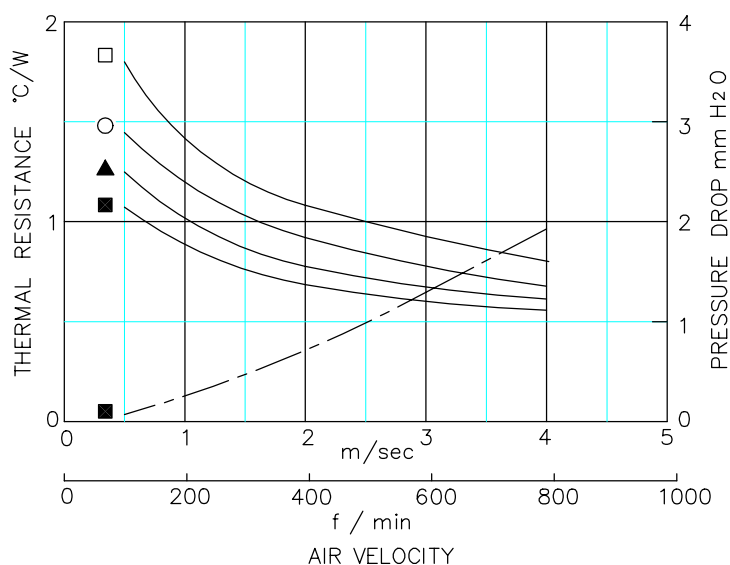


HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT $\square h$	WEIGHT (grams)
MD70-15B	15	81.8
MD70-20B	20	91.0
MD70-25B	25	100.2
MD70-30B	30	109.4

Dimensions : mm

DATA



● Thermal Resistance (Ducted)
 (Solid Line)

● Pressure Drop
 (Center Line)

 $\square$ MD70-15B $\circ$ MD70-20B $\blacktriangle$ MD70-25B $\blacksquare$ MD70-30B

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

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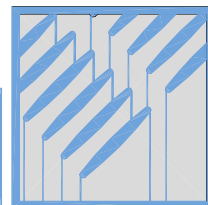
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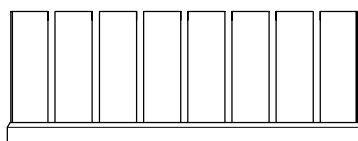
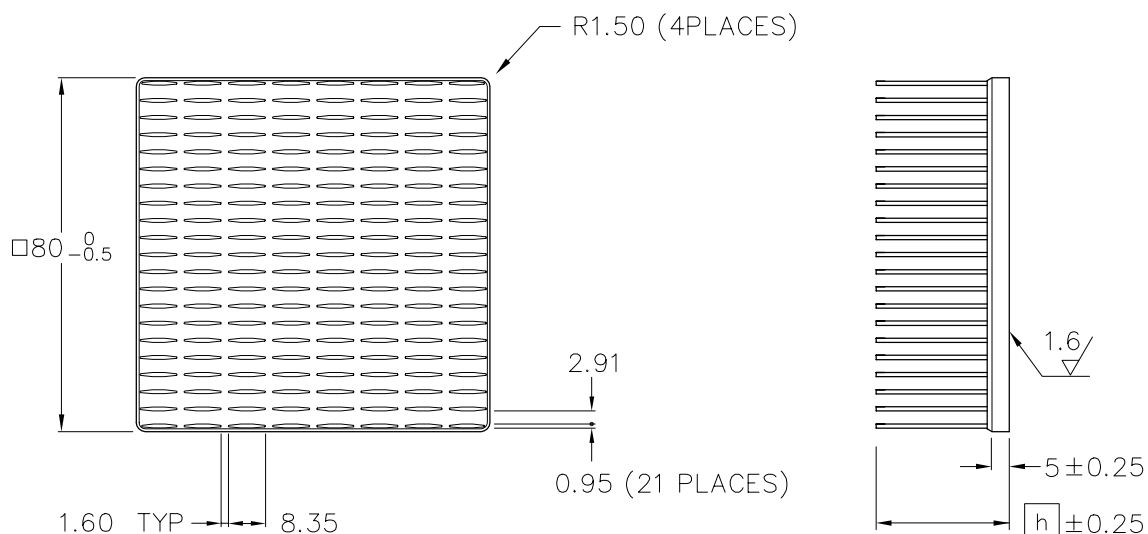
URL : <http://www.alphanovatech.com>

ALPHA

Middle Density Heat Sink

MD 80

DIM

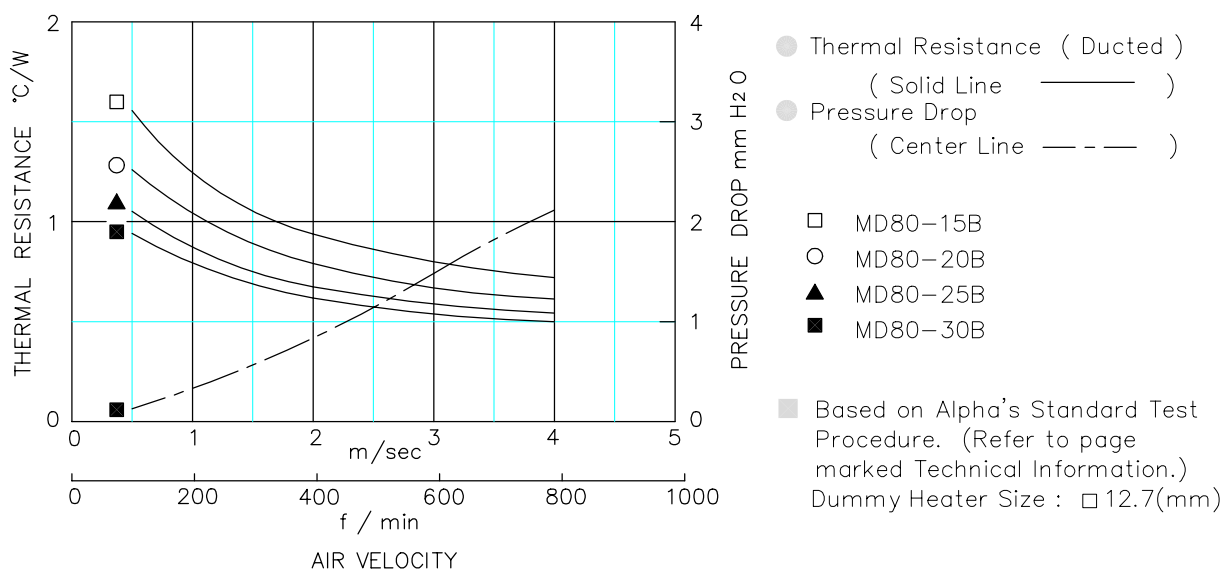


MODEL	HEIGHT h	WEIGHT (grams)
MD80-15B	15	114.2
MD80-20B	20	127.3
MD80-25B	25	140.4
MD80-30B	30	153.5

HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

Dimensions : mm

DATA



Alpha Company Ltd.

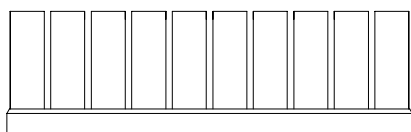
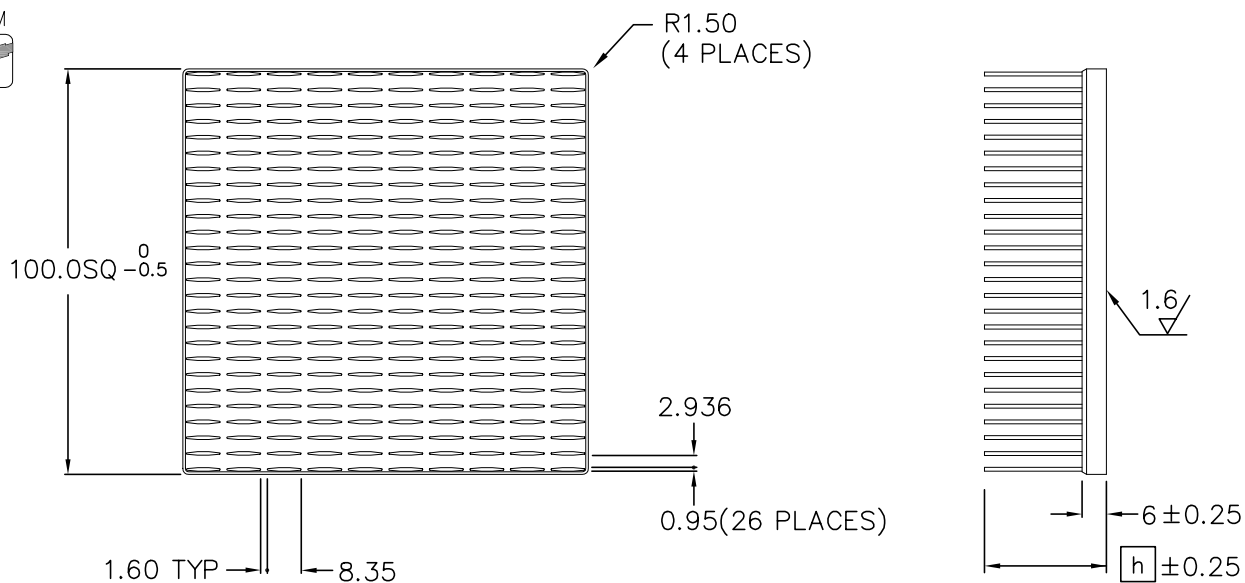
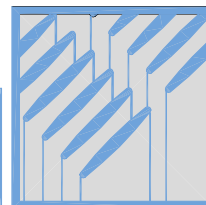
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ALPHA

Middle Density Heat Sink

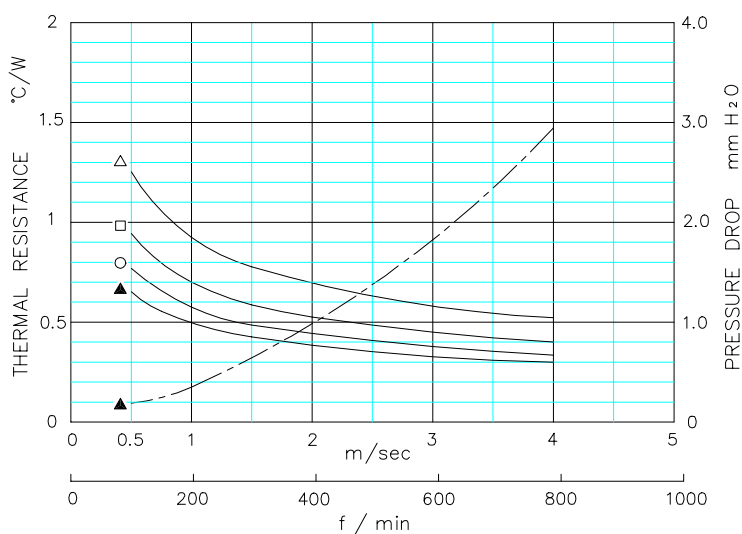
MD100

HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

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

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)

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