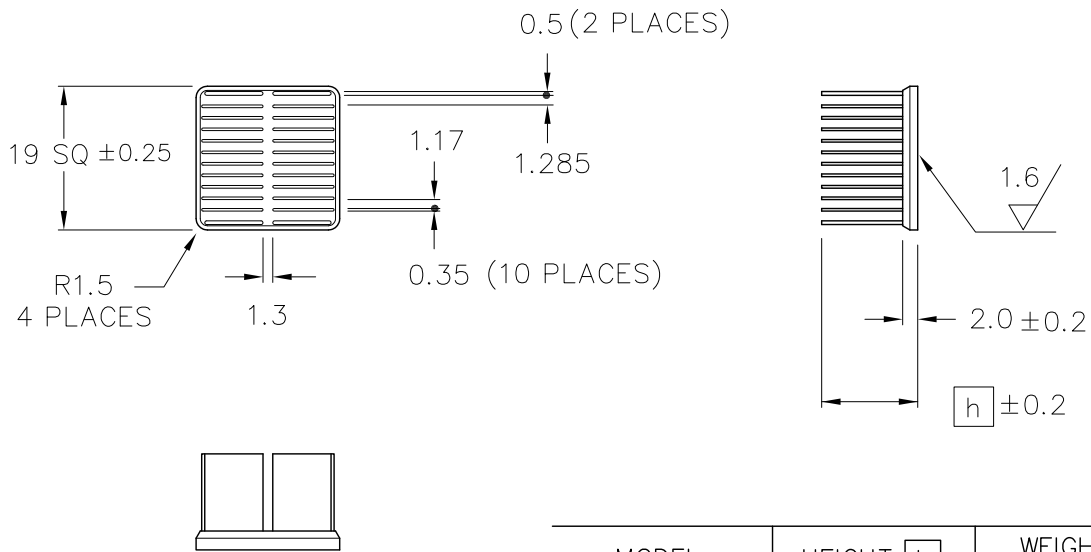
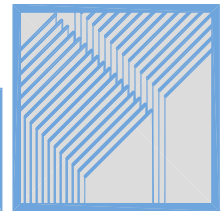


Z Series

Ultra - High Performance Heat Sink

ALPHA

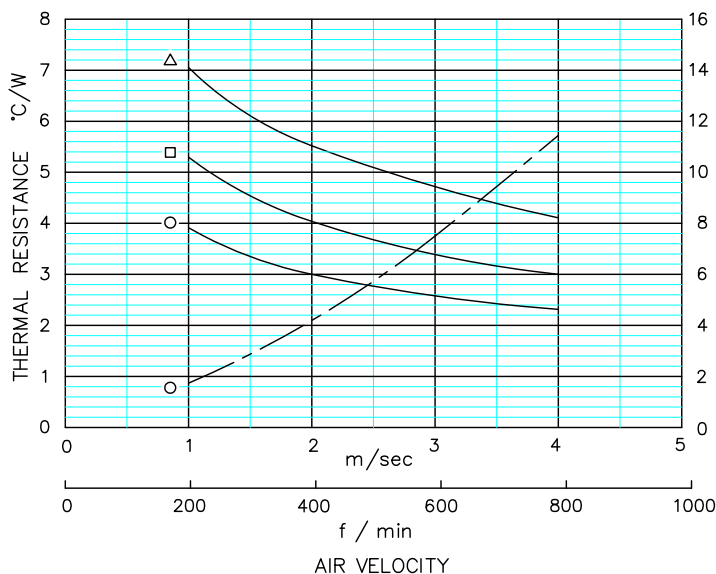
ALPHA Ultra - High Performance Heat Sink Z19



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z19-6.3B	6.3	2.6
Z19-9.5B	9.5	3.2
Z19-12.7B	12.7	3.8

Dimensions : mm



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

△ Z19-6.3B
 □ Z19-9.5B
 ○ Z19-12.7B

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

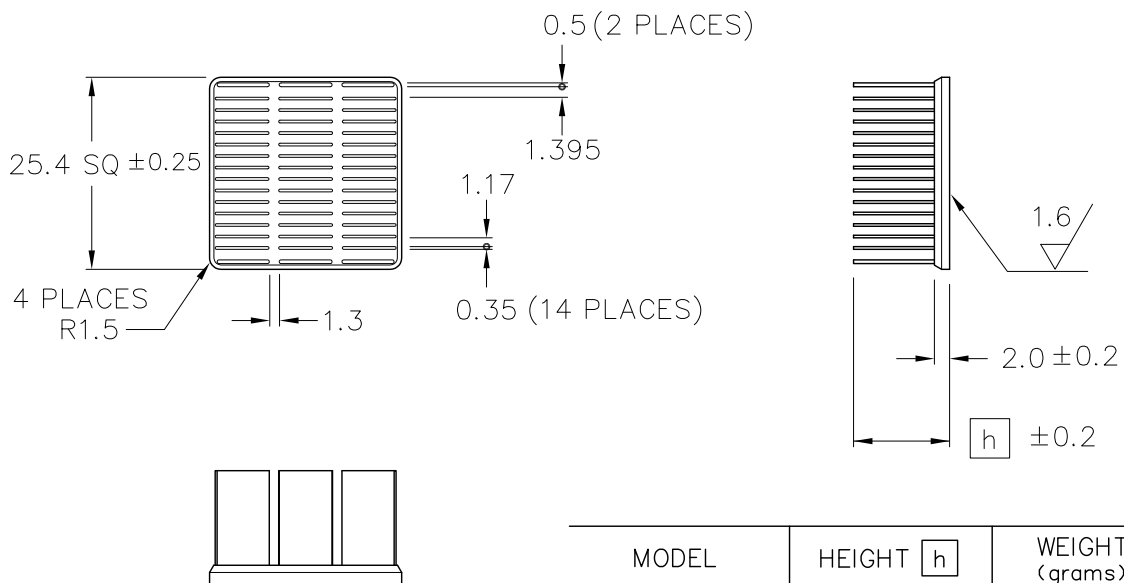
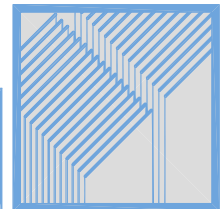
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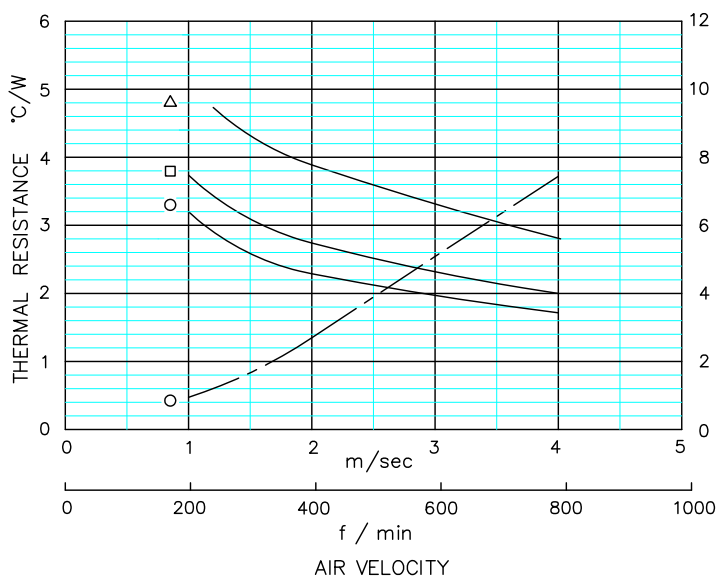
ALPHA Ultra - High Performance Heat Sink Z25



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z25-6.3B	6.3	5.0
Z25-9.5B	9.5	6.0
Z25-12.7B	12.7	7.0

Dimensions : mm



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

△ Z25-6.3B
 □ Z25-9.5B
 ○ Z25-12.7B

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

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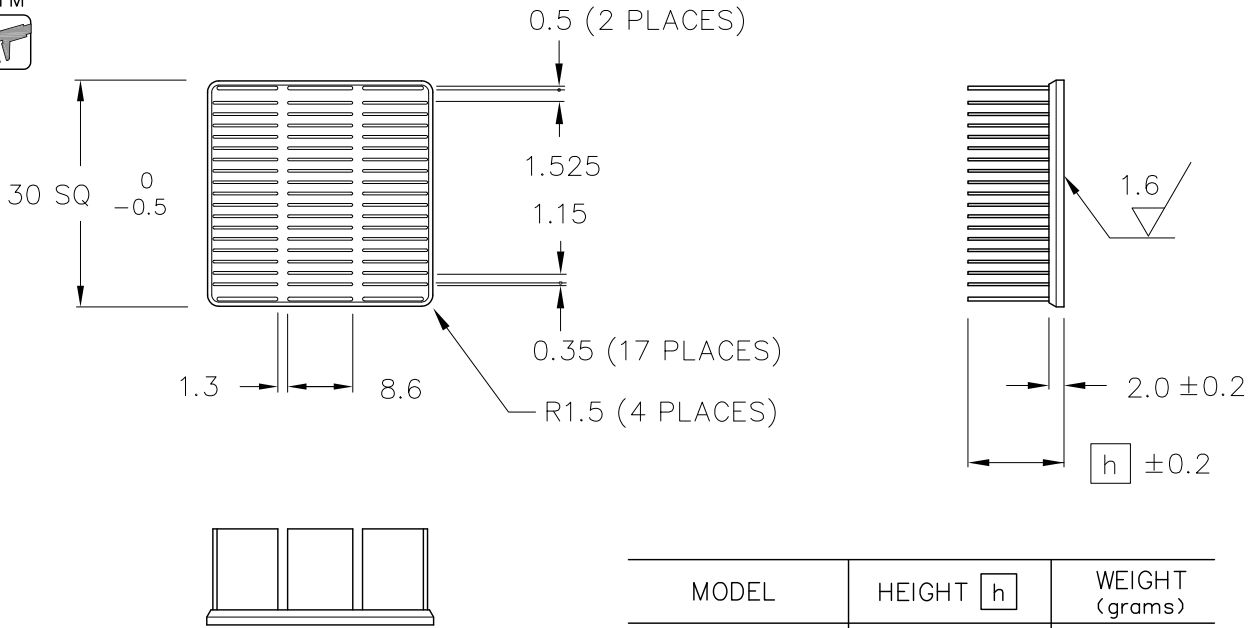
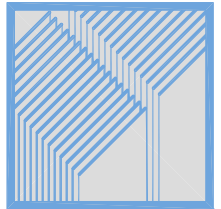
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ALPHA

Ultra - High Performance Heat Sink

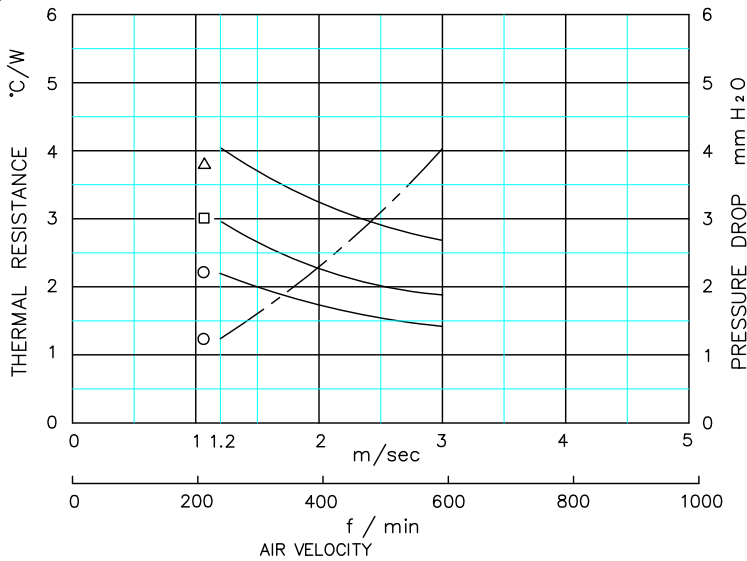
Z30



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
Z30-6.3B	6.3	7
Z30-9.5B	9.5	8.5
Z30-12.7B	12.7	10

Dimensions : mm



- Thermal Resistance (Ducted) (Solid Line)
- Pressure Drop (Center Line) (Dashed Line)
- △ Z30-6.3B
- Z30-9.5B
- Z30-12.7B
- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.) Dummy Heater Size : □ 12.7(mm)

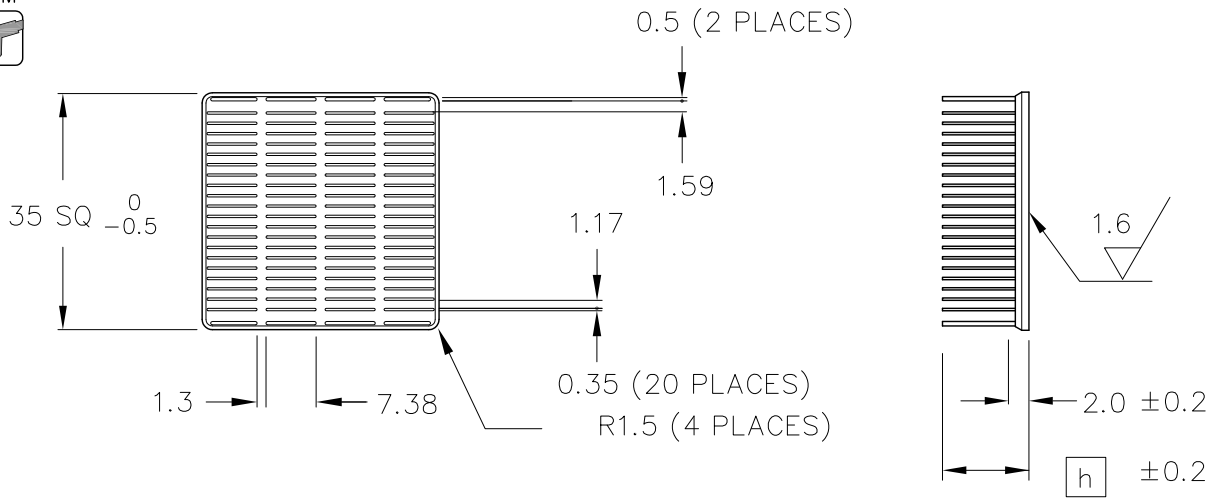
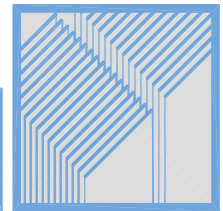
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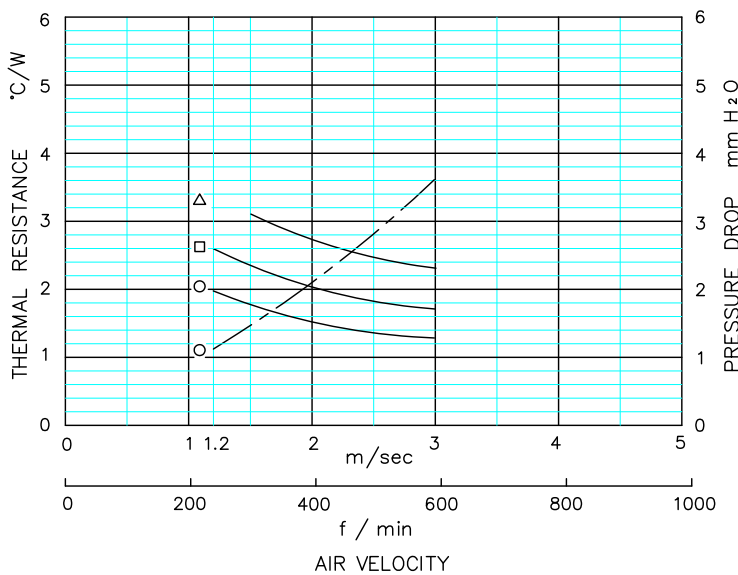
ALPHA Ultra - High Performance Heat Sink Z35



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z35-6.3B	6.3	9.5
Z35-9.5B	9.5	11.5
Z35-12.7B	12.7	13.5

Dimensions : mm



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

- △ Z35-6.3B
- Z35-9.5B
- Z35-12.7B

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

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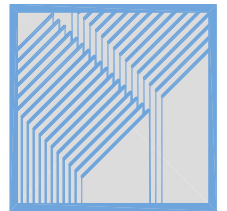
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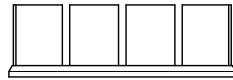
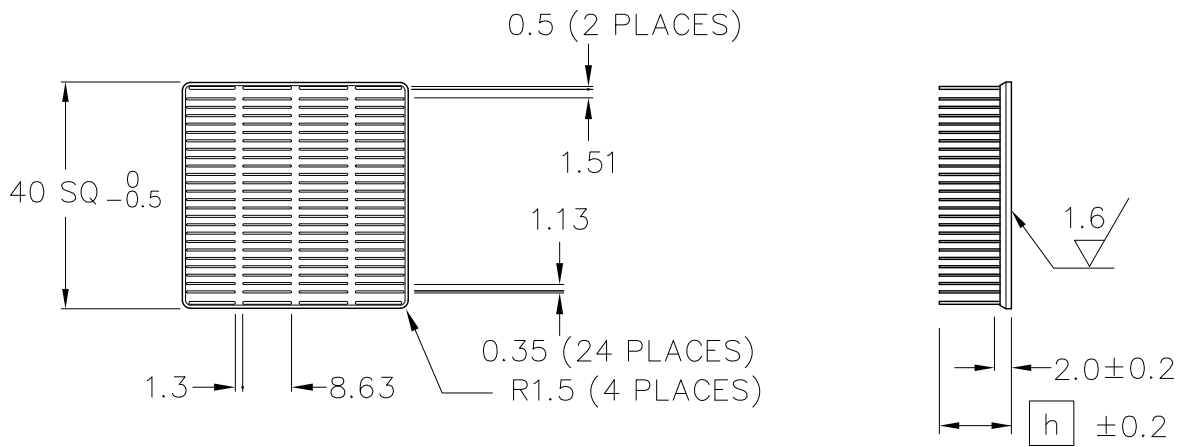
ALPHA

Ultra - High Performance Heat Sink

Z40



DIM

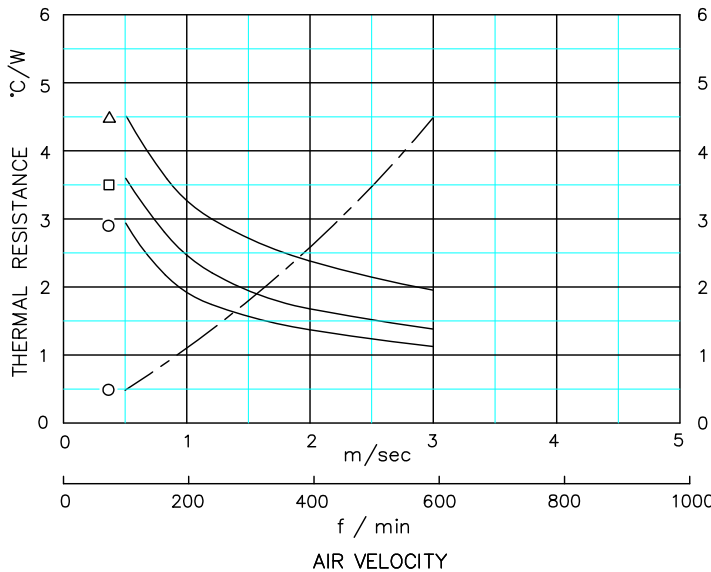


HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z40-6.3B	6.3	12.5
Z40-9.5B	9.5	15.5
Z40-12.7B	12.7	18.5

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
 (Solid Line ———)
 - Pressure Drop
 (Center Line - - -)
 - △ Z40-6.3B
 - Z40-9.5B
 - Z40-12.7B
- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
 Dummy Heater Size : □ 12.7(mm)

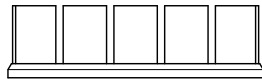
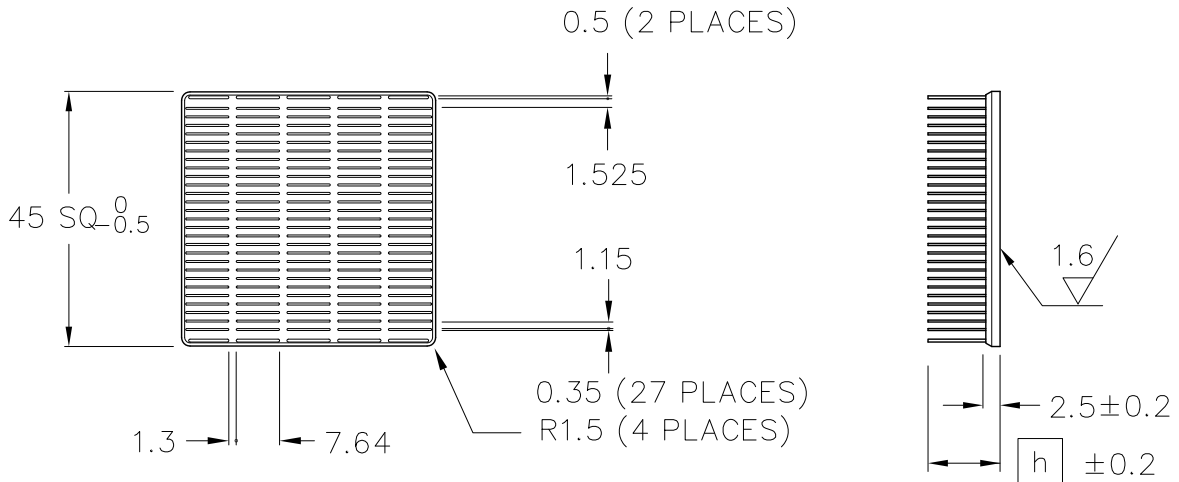
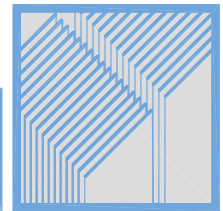
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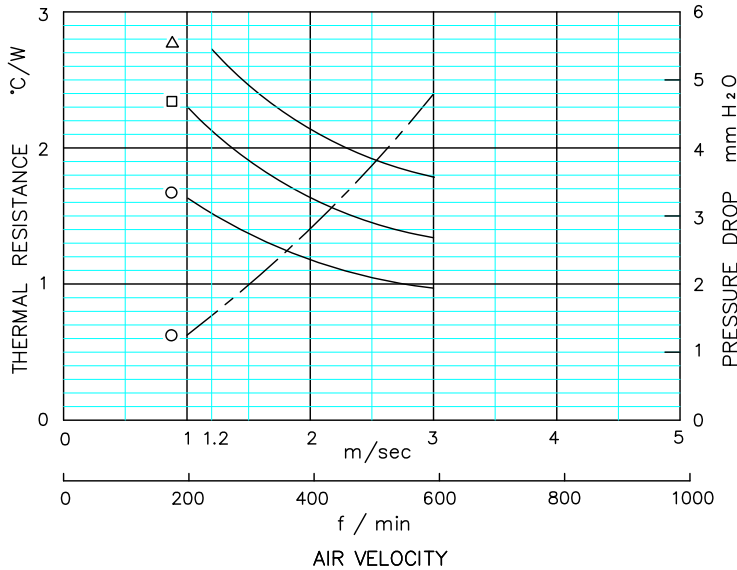
ALPHA Ultra - High Performance Heat Sink Z45



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z45-6.3B	6.3	17.5
Z45-9.5B	9.5	21.5
Z45-12.7B	12.7	25.5

Dimensions : mm



- Thermal Resistance (Ducted)
(Solid Line ———)
- Pressure Drop
(Center Line - - -)
- Δ Z45-6.3B
- Z45-9.5B
- Z45-12.7B
- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 12.7(mm)

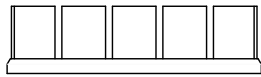
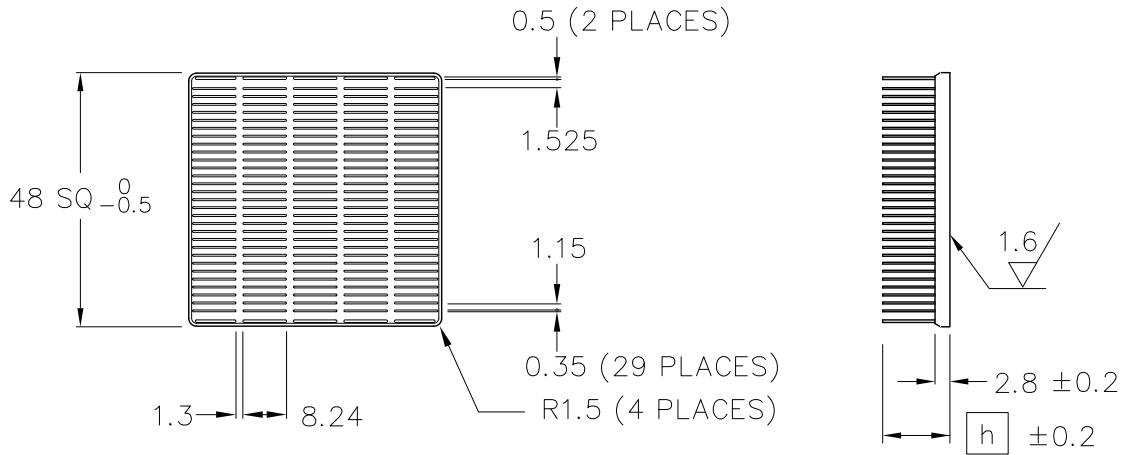
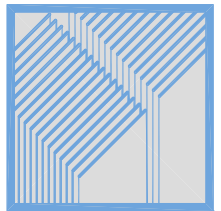
Alpha Company Ltd.

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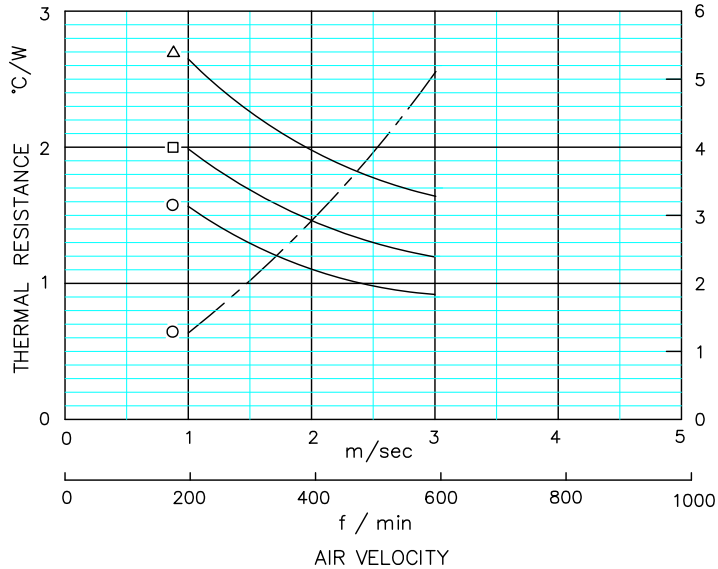
ALPHA Ultra - High Performance Heat Sink Z48



HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z48-6.3B	6.3	21.5
Z48-9.5B	9.5	25.5
Z48-12.7B	12.7	29.5

Dimensions : mm



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

△ Z48-6.3B
 □ Z48-9.5B
 ○ Z48-12.7B

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

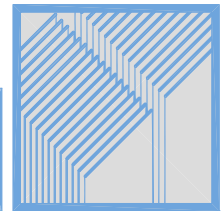
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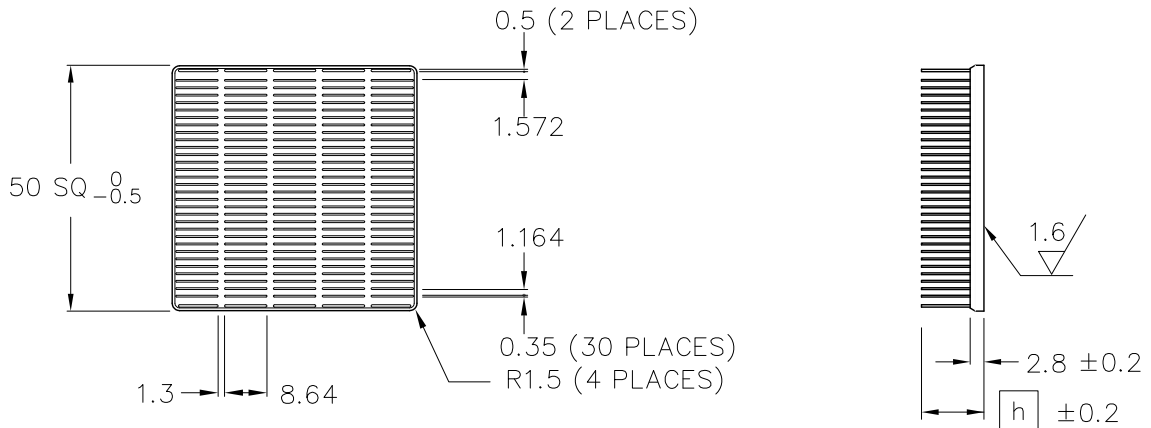
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ALPHA Ultra - High Performance Heat Sink Z50



DIM

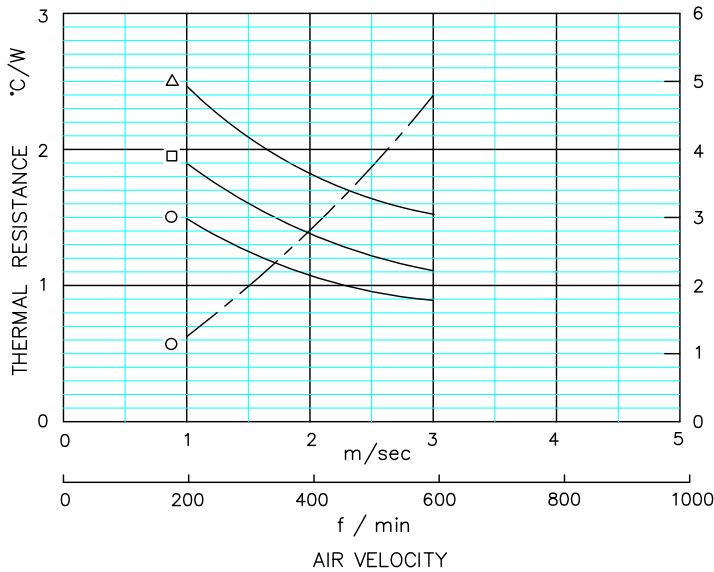


HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z50-6.3B	6.3	22.5
Z50-9.5B	9.5	27.0
Z50-12.7B	12.7	31.5

Dimensions : mm

DATA



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

△ Z50-6.3B
 □ Z50-9.5B
 ○ Z50-12.7B

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

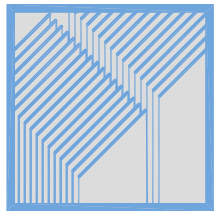
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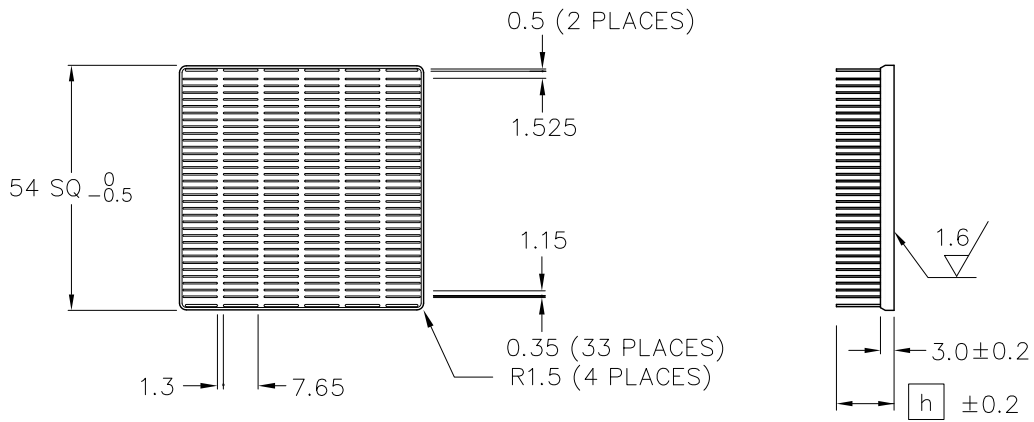
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ALPHA Ultra - High Performance Heat Sink Z54



DIM

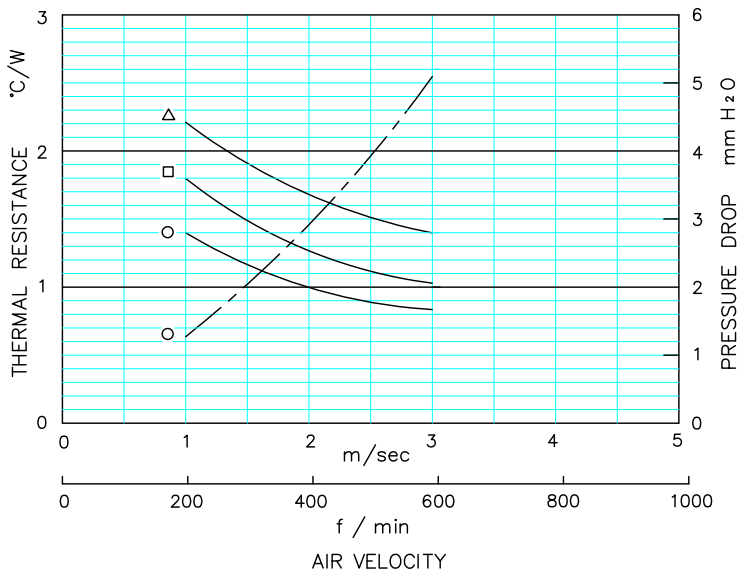


HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z54-6.3B	6.3	28
Z54-9.5B	9.5	33
Z54-12.7B	12.7	38

Dimensions : mm

DATA



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

△ Z54-6.3B
 □ Z54-9.5B
 ○ Z54-12.7B

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

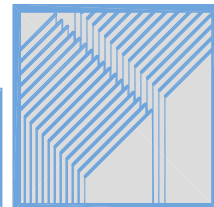
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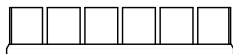
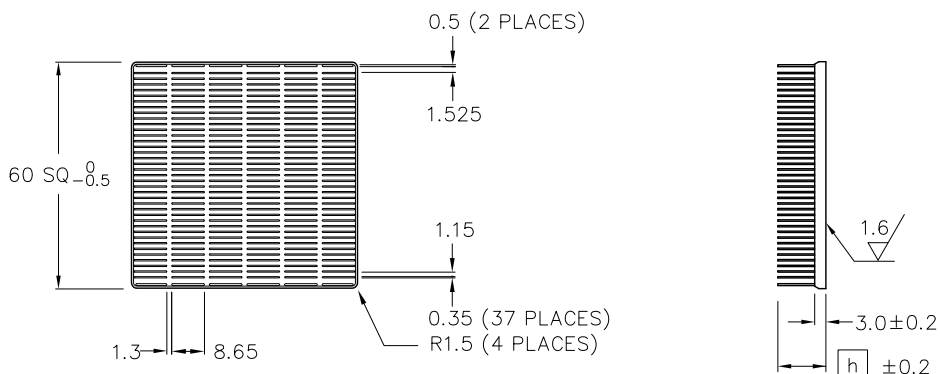
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ALPHA Ultra - High Performance Heat Sink Z60



DIM

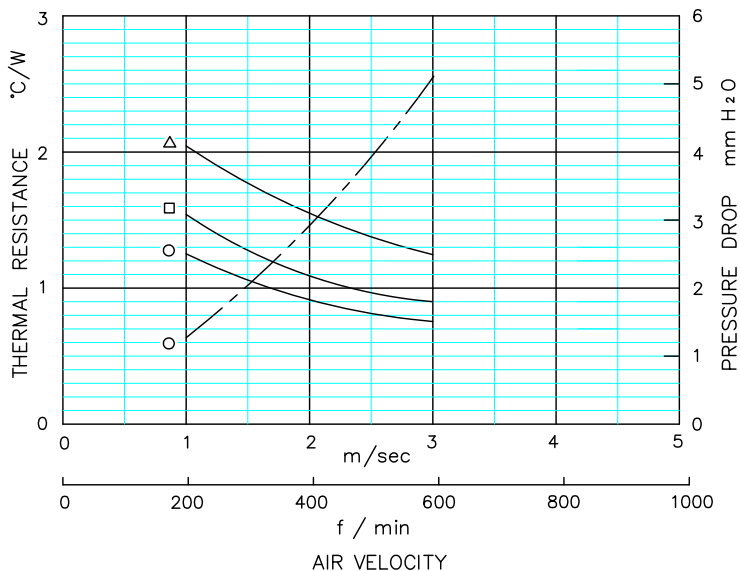


HEAT SINK
 MATERIAL : A 6063
 FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
Z60-6.3B	6.3	35.5
Z60-9.5B	9.5	41.5
Z60-12.7B	12.7	47.5

Dimensions : mm

DATA



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

- △ Z60-6.3B
- Z60-9.5B
- Z60-12.7B

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

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