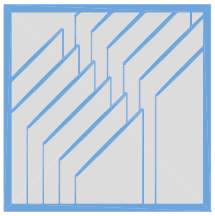


UBC Series

Low Pressure Drop and
Low Thermal Resistance Heat Sink
Copper (Heat spreader) Embedded Type

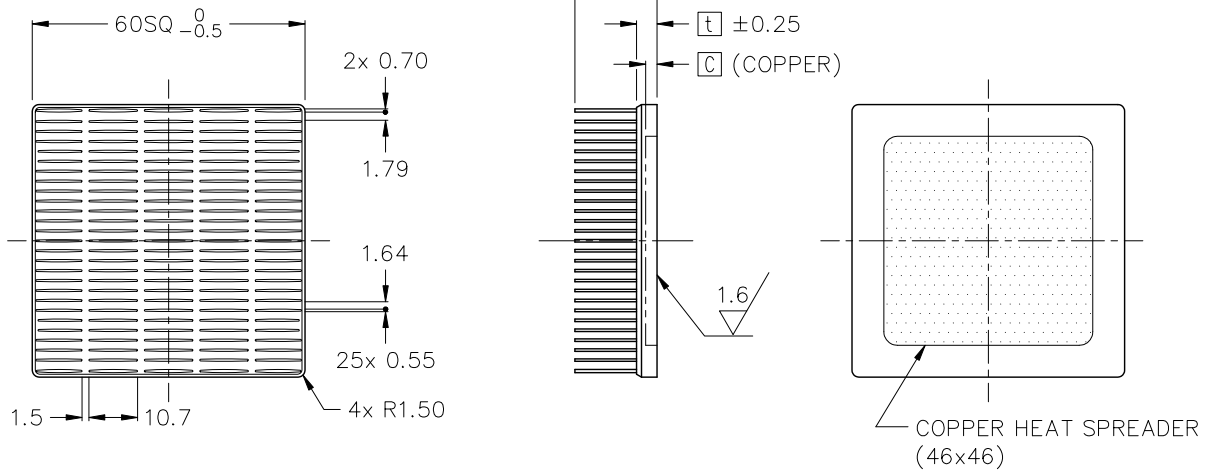
ALPHA

ALPHA

Low Profile Heat Sink
Copper Embedded Type

UBC 60

DIM



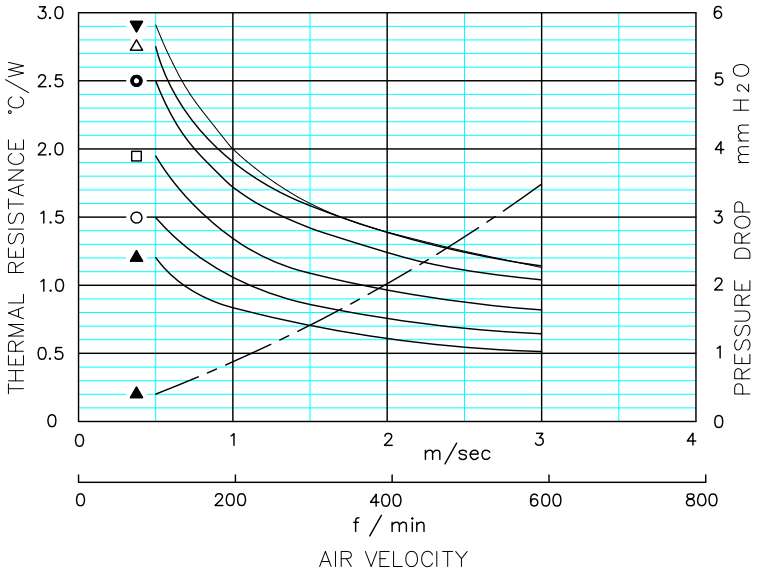
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE
(EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC60−8B, UBC60−8N	8	4	(2)	71.8
UBC60−10B,UBC60−10N	10	4.5	(2.5)	85.9
UBC60−12B,UBC60−12N	12			89.7
UBC60−15B,UBC60−15N	15			95.2
UBC60−20B,UBC60−20N	20			104.5
UBC60−25B,UBC60−25N	25			113.8

Dimensions : mm

DATA



▼ UBC60−8B, UBC60−8N
△ UBC60−10B, UBC60−10N
◎ UBC60−12B, UBC60−12N
□ UBC60−15B, UBC60−15N
○ UBC60−20B, UBC60−20N
▲ UBC60−25B, UBC60−25N

● 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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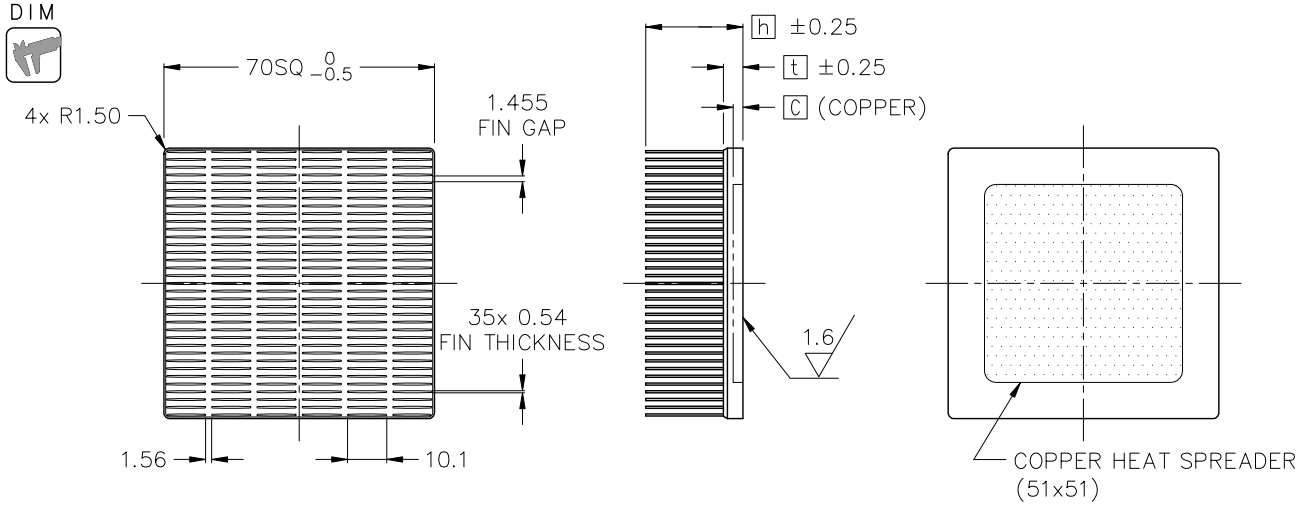
ALPHA

Low Profile Heat Sink
Copper Embedded Type

UBC 70

DIM



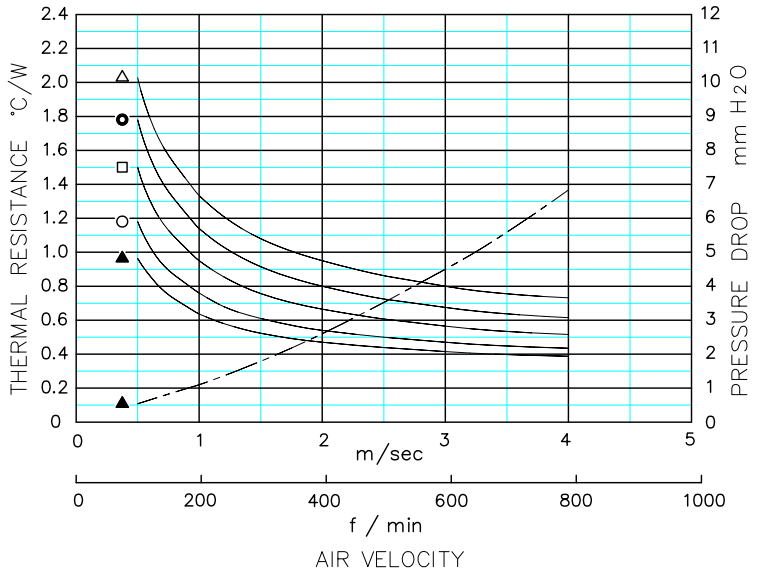
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE
(EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC70−10B,UBC70−10N	10	4	(2)	100.6
UBC70−12B,UBC70−12N	12	4.5	(2.5)	124.4
UBC70−15B,UBC70−15N	15			132.6
UBC70−20B,UBC70−20N	20			146.1
UBC70−25B,UBC70−25N	25			159.6

Dimensions : mm

DATA



△ UBC70−10B, UBC70−10N
○ UBC70−12B, UBC70−12N
□ UBC70−15B, UBC70−15N
○ UBC70−20B, UBC70−20N
▲ UBC70−25B, UBC70−25N

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

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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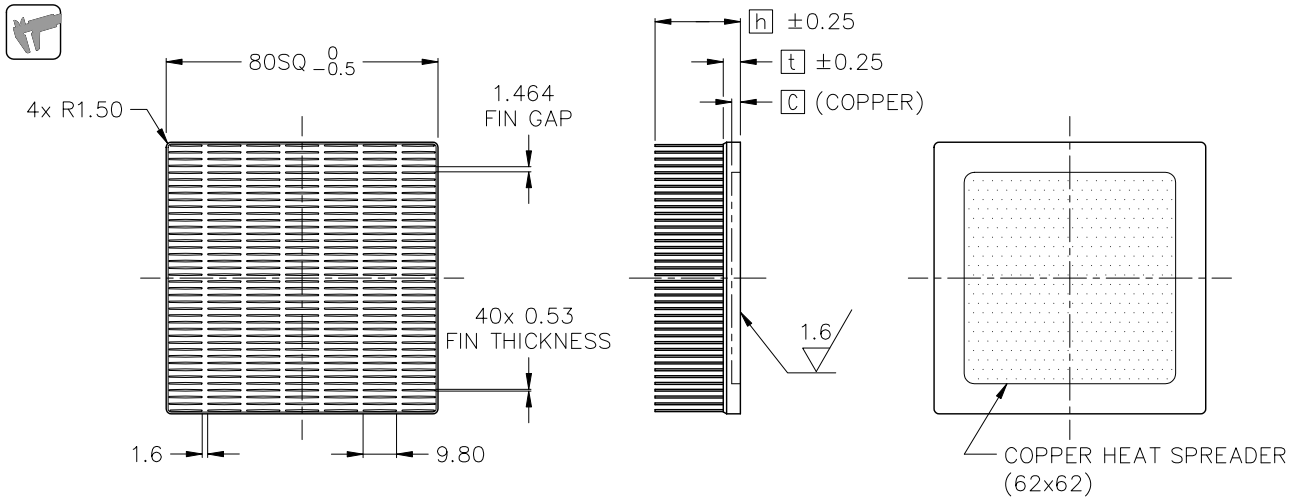
ALPHA

Low Profile Heat Sink
Copper Embedded Type

UBC 80

DIM



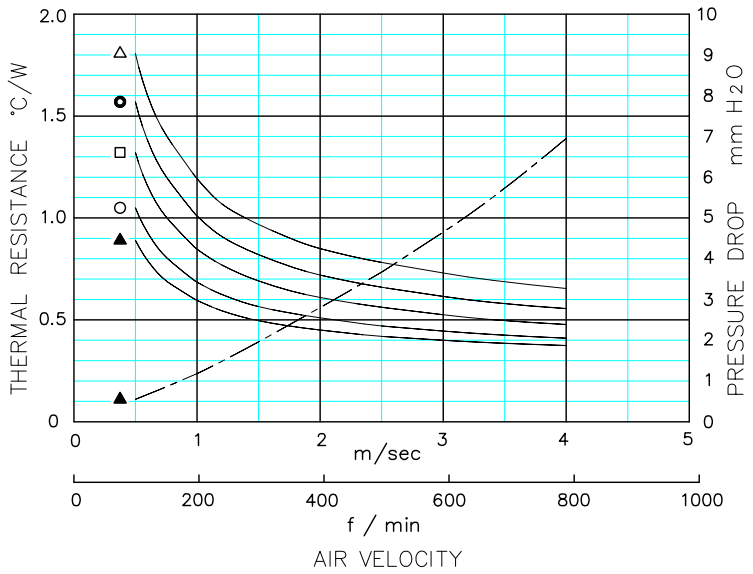
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE
(EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC80−10B,UBC80−10N	10	4	(2.0)	136.6
UBC80−12B,UBC80−12N	12	4.5	(2.5)	162.2
UBC80−15B,UBC80−15N	15			172.5
UBC80−20B,UBC80−20N	20			189.8
UBC80−25B,UBC80−25N	25			207.1

Dimensions : mm

DATA



△ UBC80−10B, UBC80−10N
○ UBC80−12B, UBC80−12N
□ UBC80−15B, UBC80−15N
○ UBC80−20B, UBC80−20N
▲ UBC80−25B, UBC80−25N

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

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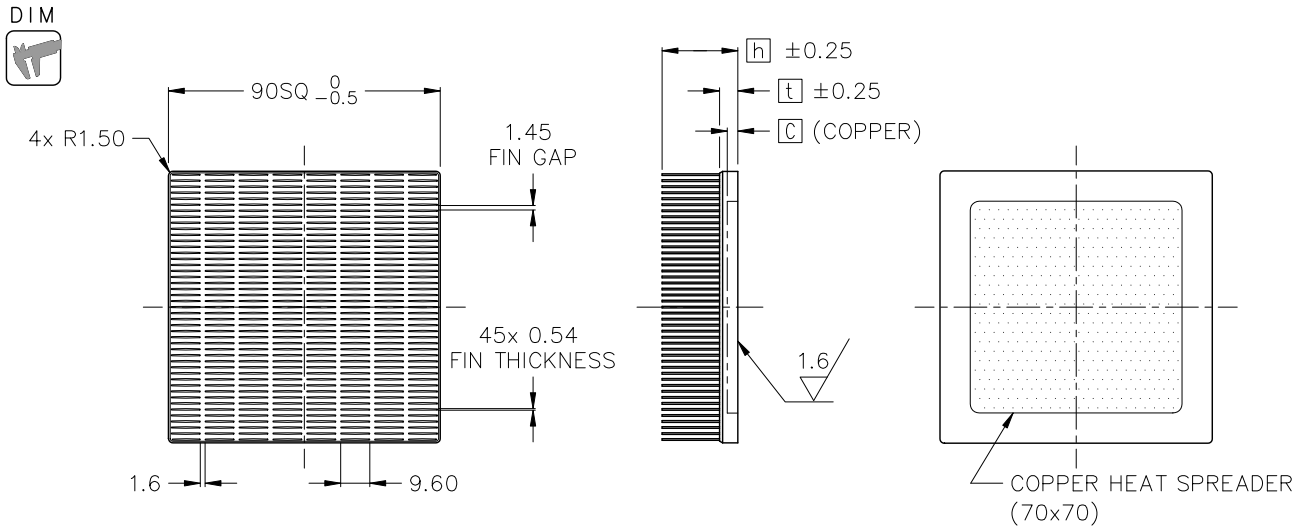
ALPHA

Low Profile Heat Sink
Copper Embedded Type

UBC90

DIM



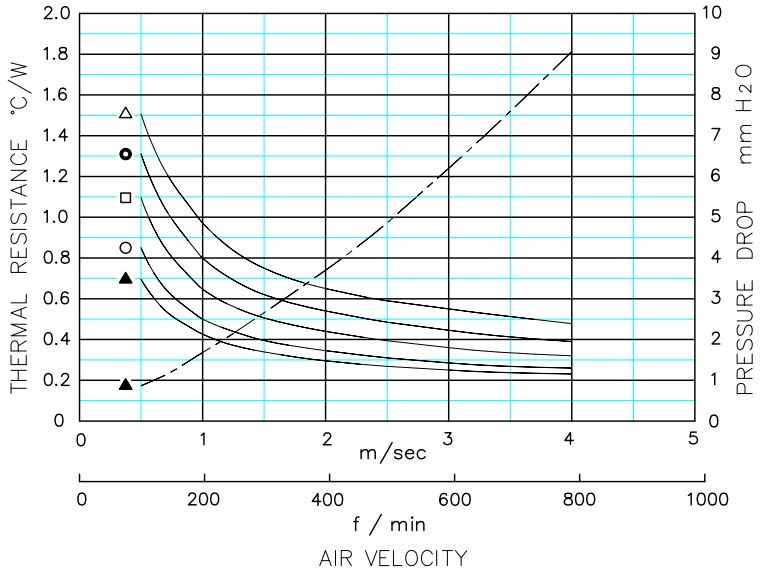
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE
(EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC90−10B, UBC90−10N	10	4.0	(2.0)	173.6
UBC90−12B, UBC90−12N	12	4.5	(2.5)	206.2
UBC90−15B, UBC90−15N	15	6.0	(3.5)	275.7
UBC90−20B, UBC90−20N	20			297.8
UBC90−25B, UBC90−25N	25			319.8

Dimensions : mm

DATA



△ UBC90−10B, UBC90−10N
○ UBC90−12B, UBC90−12N
□ UBC90−15B, UBC90−15N
○ UBC90−20B, UBC90−20N
▲ UBC90−25B, UBC90−25N

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

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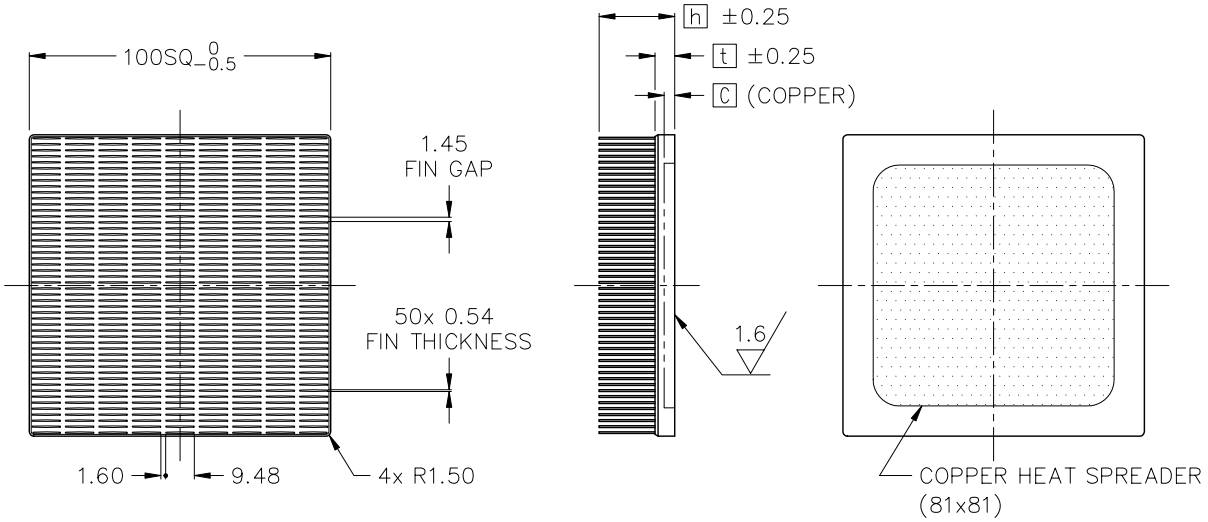
ALPHA

Low Profile Heat Sink
Copper Embedded Type

UBC100

DIM



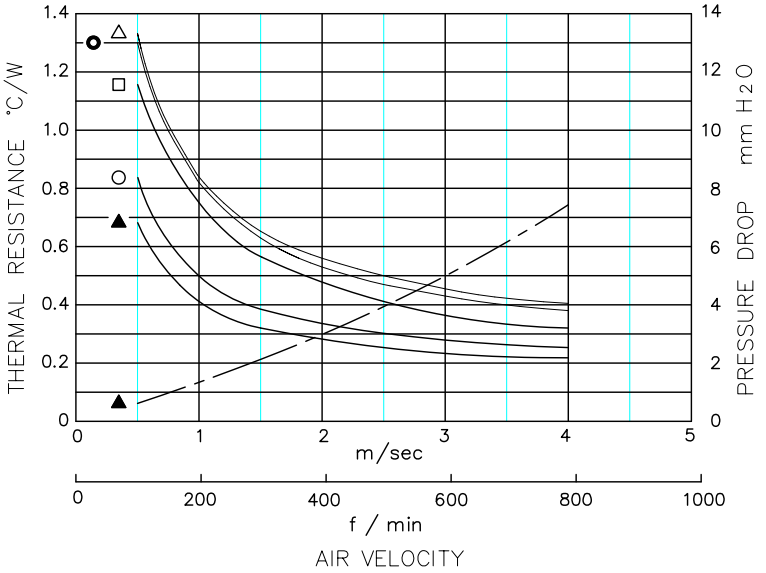
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE
(EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC100−10B, UBC100−10N	10	4	(2)	220.8
UBC100−12B, UBC100−12N	12	5	(2.5)	293.6
UBC100−15B, UBC100−15N	15	6.5	(3.5)	362.3
UBC100−20B, UBC100−20N	20			389.5
UBC100−25B, UBC100−25N	25			416.7

Dimensions : mm

DATA



△ UBC100−10B, UBC100−10N
○ UBC100−12B, UBC100−12N
□ UBC100−15B, UBC100−15N
○ UBC100−20B, UBC100−20N
▲ UBC100−25B, UBC100−25N

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

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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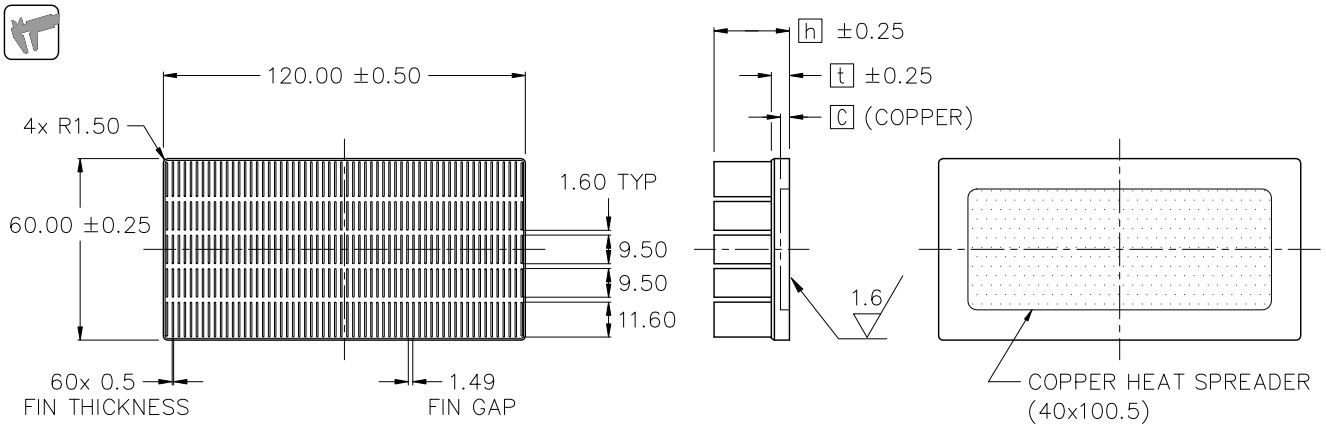
ALPHA Low Profile Heat Sink Copper Embedded Type UBC12060

DIM



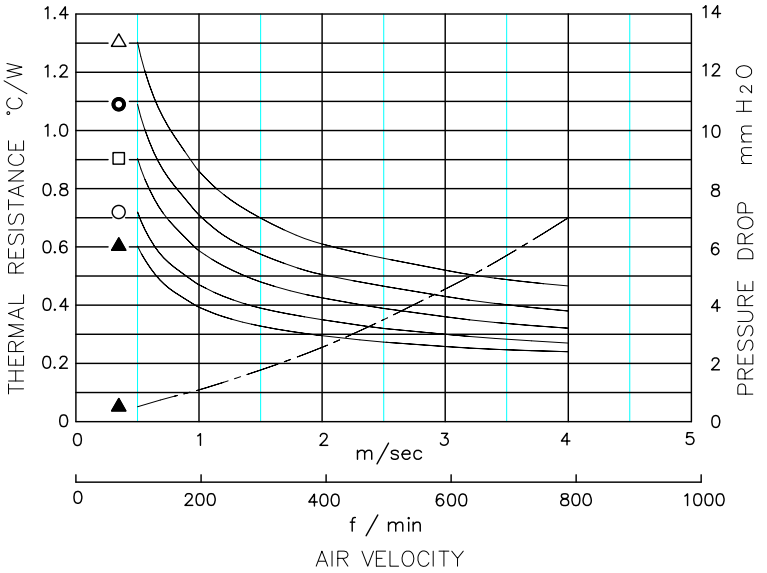
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE (EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC12060−10B,UBC12060−10N	10	4.0	(2.0)	152.1
UBC12060−12B,UBC12060−12N	12	4.5	(2.5)	180.4
UBC12060−15B,UBC12060−15N	15	6.0	(3.5)	240.6
UBC12060−20B,UBC12060−20N	20			261.4
UBC12060−25B,UBC12060−25N	25			282.1

Dimensions : mm

DATA



△ UBC12060−10B, UBC12060−10N
○ UBC12060−12B, UBC12060−12N
□ UBC12060−15B, UBC12060−15N
○ UBC12060−20B, UBC12060−20N
▲ UBC12060−25B, UBC12060−25N

● 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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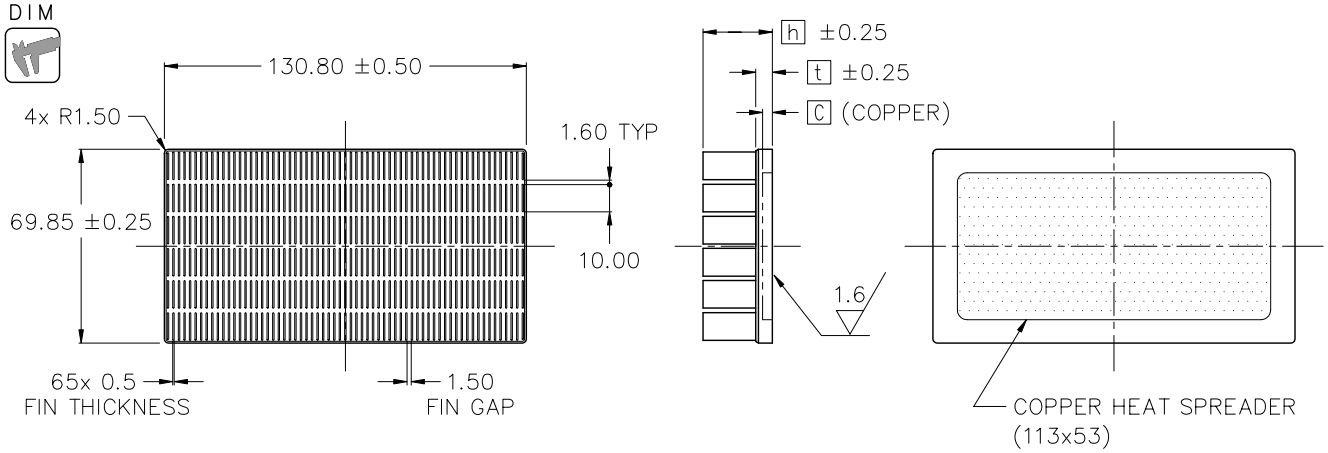
ALPHA Low Profile Heat Sink Copper Embedded Type UBC13070

DIM



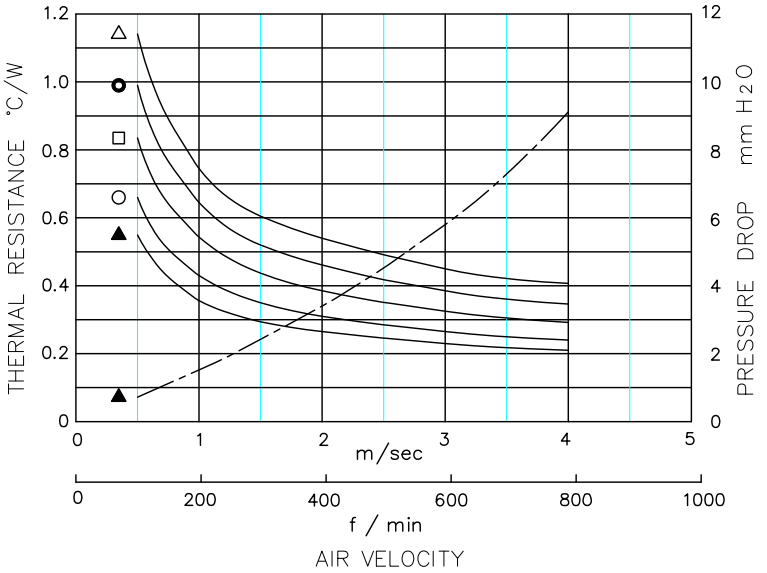
MATERIAL : ALUMINUM 6063
COPPER C1100 or C1020

FINISH : B* = BLACK ANODIZE (EXCEPT BOTTOM SURFACE)
N* = NO SURFACE FINISH
* : MODEL SUFFIX

MODEL	HEIGHT h	BASE t	COPPER THICKNESS C	WEIGHT (grams)
UBC13070−10B,UBC13070−10N	10	4.0	(2.0)	203.5
UBC13070−12B,UBC13070−12N	12	4.5	(2.5)	242.1
UBC13070−15B,UBC13070−15N	15	6.5	(3.5)	333.7
UBC13070−20B,UBC13070−20N	20			359.8
UBC13070−25B,UBC13070−25N	25			385.8

Dimensions : mm

DATA



△ UBC13070−10B, UBC13070−10N
○ UBC13070−12B, UBC13070−12N
□ UBC13070−15B, UBC13070−15N
○ UBC13070−20B, UBC13070−20N
▲ UBC13070−25B, UBC13070−25N

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

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