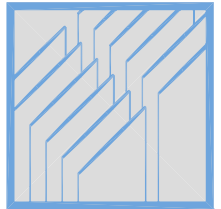
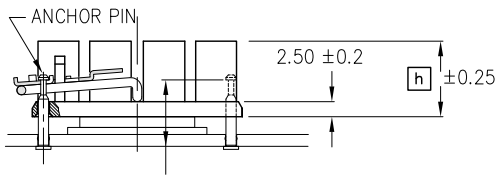
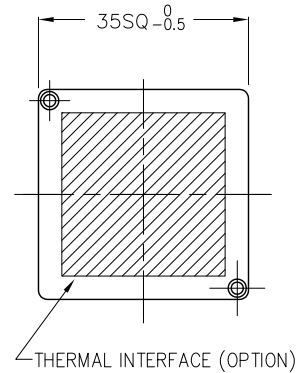
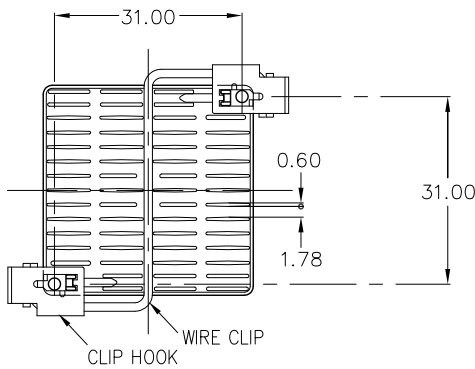


QuickSet Series
QUBR

ALPHA



DIM



ANCHOR PIN LENGTH : CAN SELECT 8.00, 11.00, 13.00, OR 16.00.

8.00 : ANCR-8

11.00 : ANCR-11

13.00 : ANCR-13

16.00 : ANCR-16

ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

MATERIAL

HEATSINK : A6063 BLACK ANODIZE

WIRE CLIP : SW-C NICKEL PRECOATED

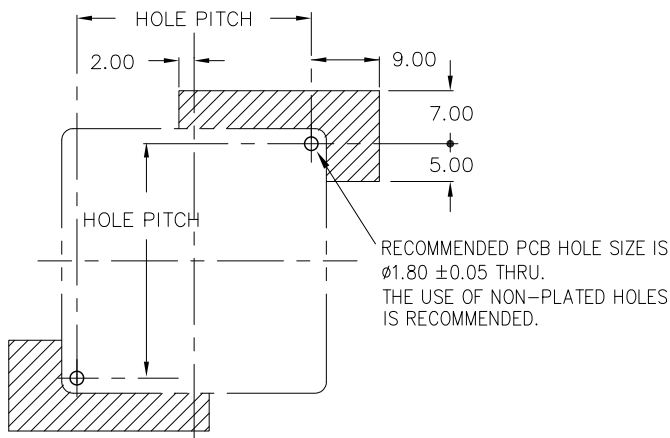
HOOK : STAINLESS STEEL 304

ANCHOR : STAINLESS STEEL 303

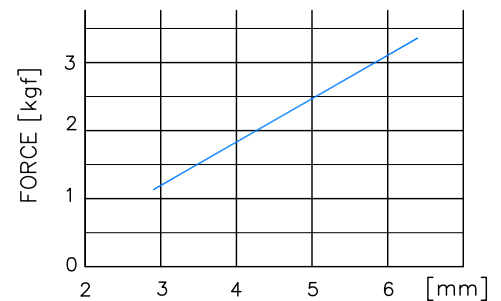
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR35-10B	10	12.7	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR35-15B	15	15.4	
QUBR35-20B	20	18.1	
QUBR35-25B	25	20.8	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



ANCR-8 : CHIP HEIGHT + PCB THK + 3.0

ANCR-11 : CHIP HEIGHT + PCB THK

ANCR-13 : CHIP HEIGHT + PCB THK - 2.0

ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

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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

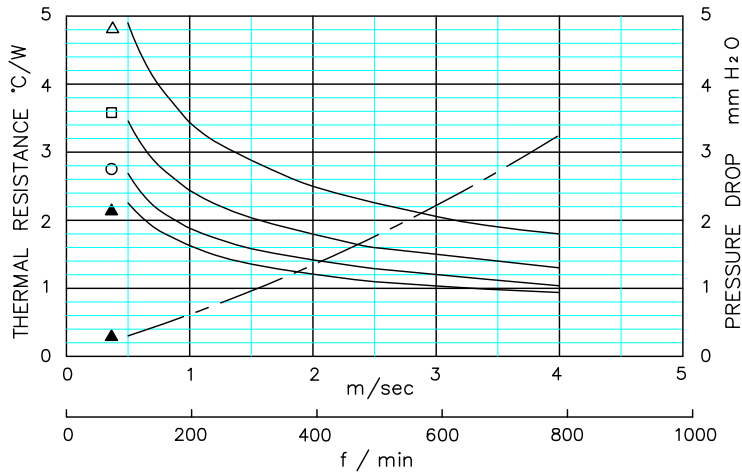
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FAX +1(408)567-8053

E mail : sales@alphanovatech.com

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

DATA



- △ QUBR35-10B
- QUBR35-15B
- QUBR35-20B
- ▲ QUBR35-25B

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

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

AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

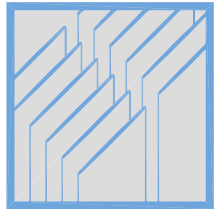
TO BUILD PART NUMBER, PLEASE VISIT OUR WEBSITE www.micforg.co.jp OR CONTACT ALPHA SALES.

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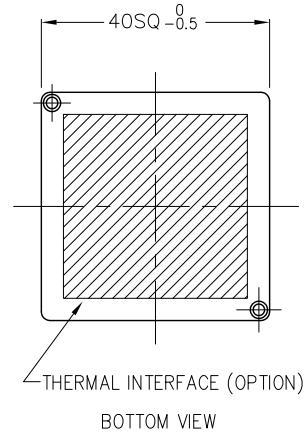
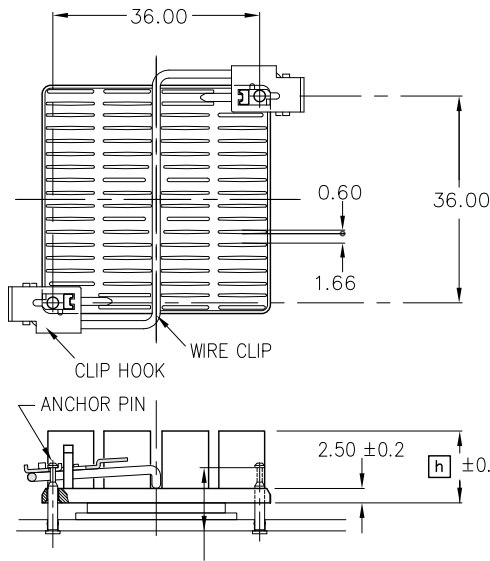
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DIM



ANCHOR PIN LENGTH : CAN SELECT 8.00, 11.00, 13.00, OR 16.00.

8.00 : ANCR-8

11.00 : ANCR-11

13.00 : ANCR-13

16.00 : ANCR-16

ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

MATERIAL

HEATSINK : A6063 BLACK ANODIZE

WIRE CLIP : SW-C NICKEL PRECOATED

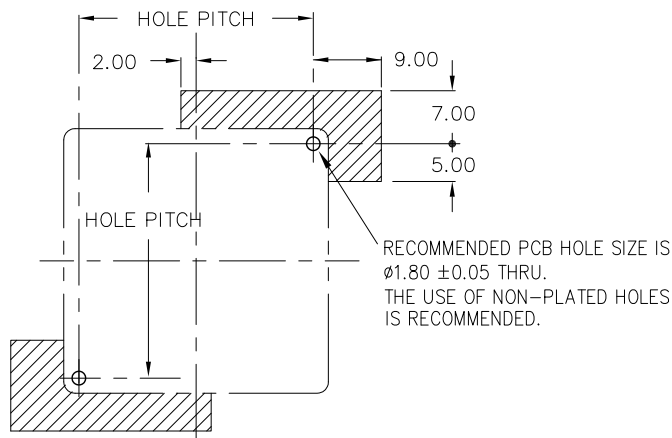
HOOK : STAINLESS STEEL 304

ANCHOR : STAINLESS STEEL 303

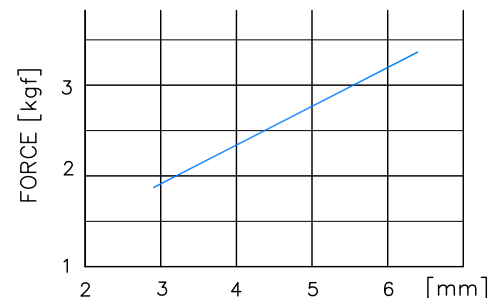
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR40-10B	10	17.0	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR40-15B	15	21.0	
QUBR40-20B	20	25.0	
QUBR40-25B	25	29.0	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



ANCR-8 : CHIP HEIGHT + PCB THK + 3.0

ANCR-11 : CHIP HEIGHT + PCB THK

ANCR-13 : CHIP HEIGHT + PCB THK - 2.0

ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

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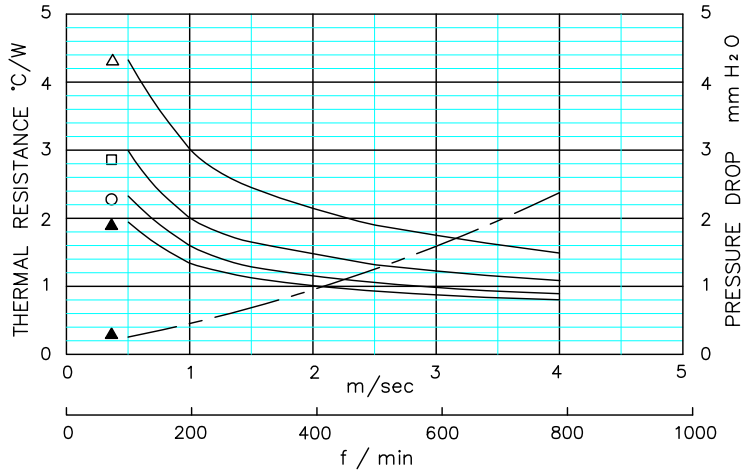
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DATA



- △ QUBR40-10B
- QUBR40-15B
- QUBR40-20B
- ▲ QUBR40-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE _____
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

AIR VELOCITY: DUCTED CONDITION

REF



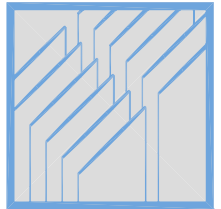
MODEL NAME INFORMATION
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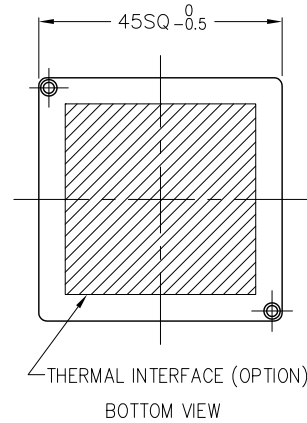
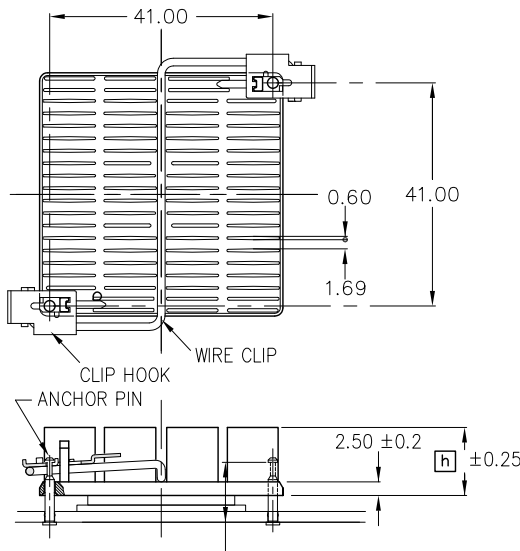
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DIM



ANCHOR PIN LENGTH : CAN SELECT 8.00, 11.00, 13.00, OR 16.00.

- 8.00 : ANCR-8
- 11.00 : ANCR-11
- 13.00 : ANCR-13
- 16.00 : ANCR-16

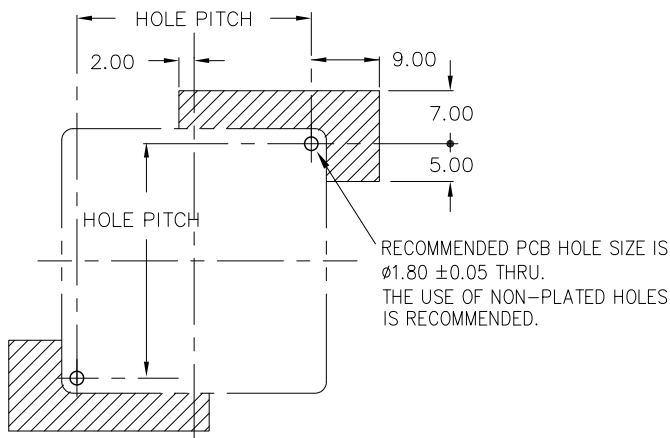
ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

- MATERIAL
- HEATSINK : A6063 BLACK ANODIZE
- WIRE CLIP : SW-C NICKEL PRECOATED
- HOOK : STAINLESS STEEL 304
- ANCHOR : STAINLESS STEEL 303

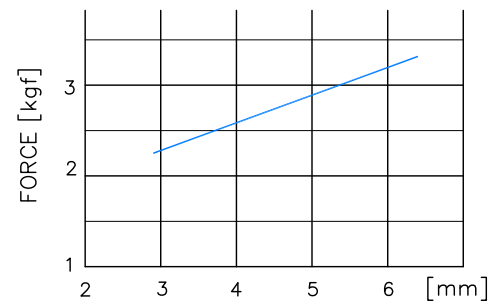
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR45-10B	10	21.9	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR45-15B	15	27.2	
QUBR45-20B	20	32.5	
QUBR45-25B	25	37.8	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



- ANCR-8 : CHIP HEIGHT + PCB THK + 3.0
- ANCR-11 : CHIP HEIGHT + PCB THK
- ANCR-13 : CHIP HEIGHT + PCB THK - 2.0
- ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

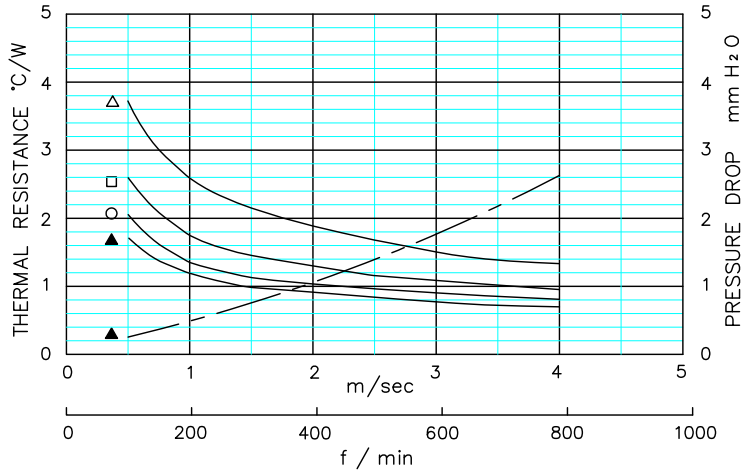
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DATA



- △ QUBR45-10B
- QUBR45-15B
- QUBR45-20B
- ▲ QUBR45-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE _____
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

AIR VELOCITY: DUCTED CONDITION

REF



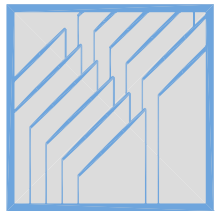
MODEL NAME INFORMATION
TO BUILD PART NUMBER, PLEASE VISIT OUR WEBSITE www.micforg.co.jp OR CONTACT ALPHA SALES.

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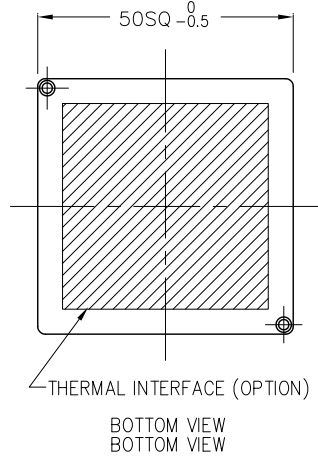
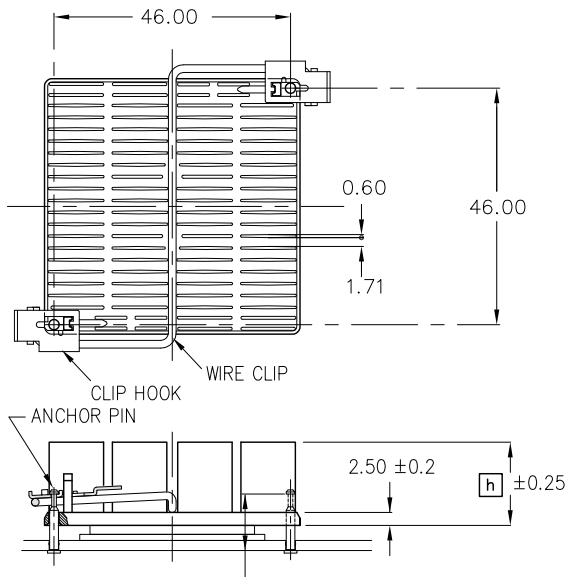
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DIM



ANCHOR PIN LENGTH : CAN SELECT 8.00, 11.00, 13.00, OR 16.00.

- 8.00 : ANCR-8
- 11.00 : ANCR-11
- 13.00 : ANCR-13
- 16.00 : ANCR-16

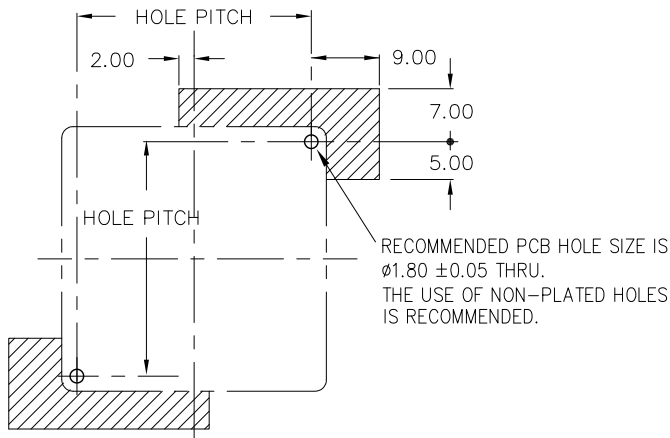
ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

- MATERIAL
- HEATSINK : A6063 BLACK ANODIZE
- WIRE CLIP : SW-C NICKEL PRECOATED
- HOOK : STAINLESS STEEL 304
- ANCHOR : STAINLESS STEEL 303

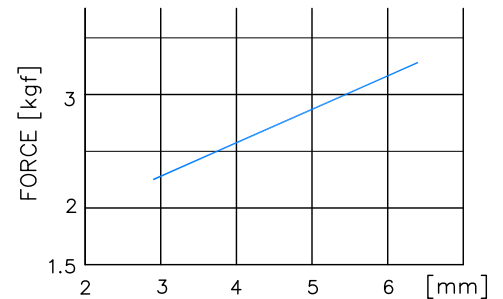
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR50-10B	10	27.7	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR50-15B	15	34.6	
QUBR50-20B	20	41.5	
QUBR50-25B	25	48.4	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



- ANCR-8 : CHIP HEIGHT + PCB THK + 3.0
- ANCR-11 : CHIP HEIGHT + PCB THK
- ANCR-13 : CHIP HEIGHT + PCB THK - 2.0
- ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

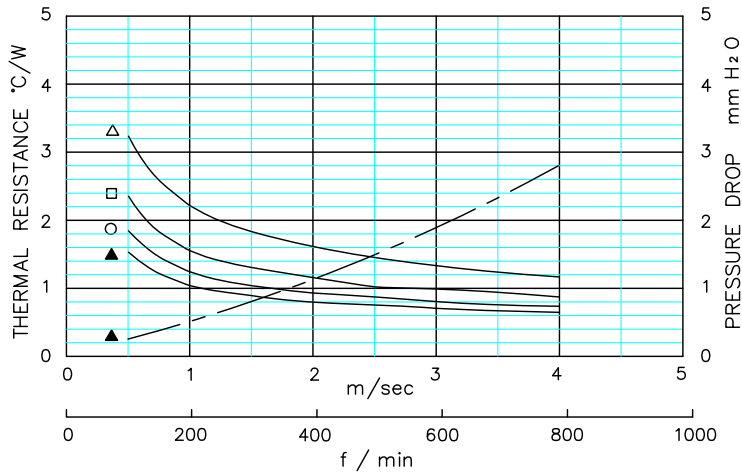
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DATA



AIR VELOCITY: DUCTED CONDITION

- △ QUBR50-10B
- QUBR50-15B
- QUBR50-20B
- ▲ QUBR50-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE _____
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

REF



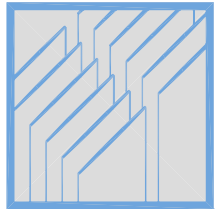
MODEL NAME INFORMATION
TO BUILD PART NUMBER, PLEASE VISIT OUR WEBSITE www.micforg.co.jp OR CONTACT ALPHA SALES.

Alpha Company Ltd.

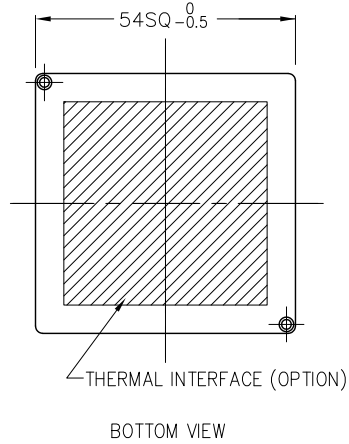
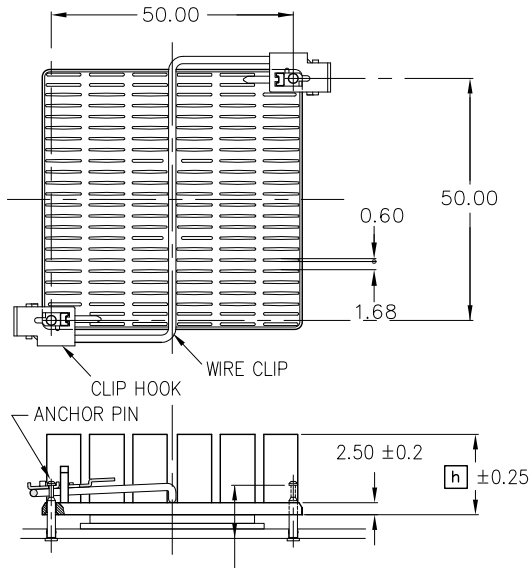
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DIM



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 8.00 : ANCR-8
 11.00 : ANCR-11
 13.00 : ANCR-13
 16.00 : ANCR-16

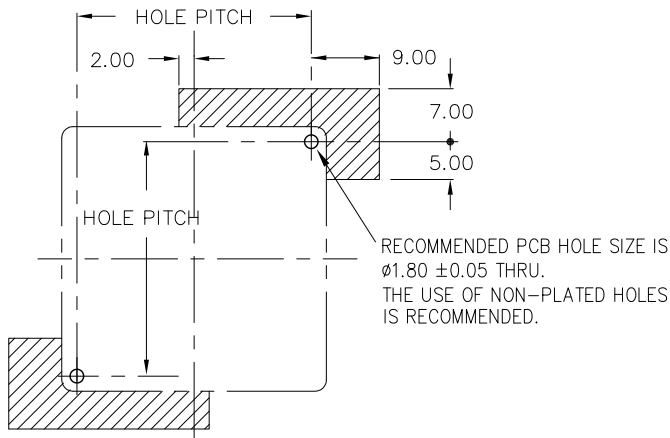
ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

MATERIAL
 HEATSINK : A6063 BLACK ANODIZE
 WIRE CLIP : SW-C NICKEL PRECOATED
 HOOK : STAINLESS STEEL 304
 ANCHOR : STAINLESS STEEL 303

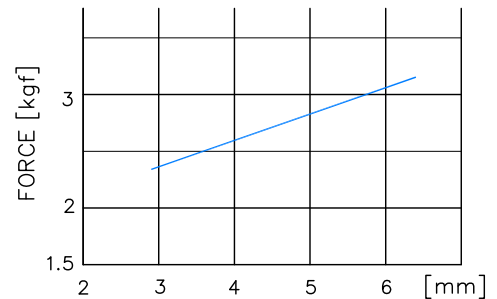
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR54-10B	10	31.7	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR54-15B	15	39.2	
QUBR54-20B	20	46.7	
QUBR54-25B	25	54.2	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



ANCR-8 : CHIP HEIGHT + PCB THK + 3.0
 ANCR-11 : CHIP HEIGHT + PCB THK
 ANCR-13 : CHIP HEIGHT + PCB THK - 2.0
 ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

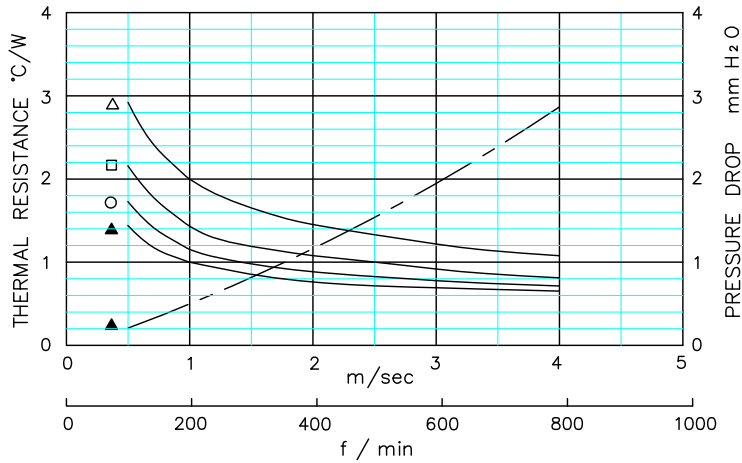
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DATA



- △ QUBR54-10B
- QUBR54-15B
- QUBR54-20B
- ▲ QUBR54-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE _____
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

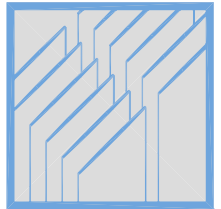
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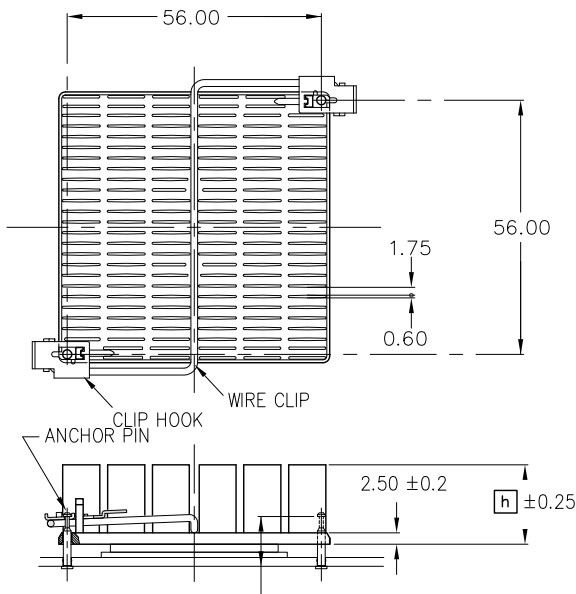
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DIM



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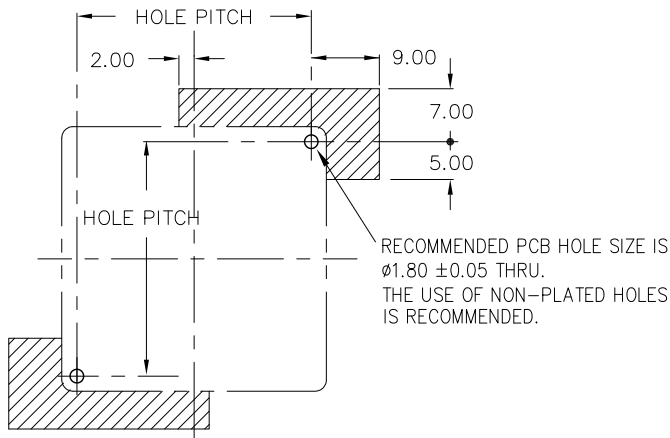
ATTACHMENT FORCE : REFER TO THE ● CLIP FORCE.

MATERIAL
 HEATSINK : A6063 BLACK ANODIZE
 WIRE CLIP : SW-C NICKEL PRECOATED
 HOOK : STAINLESS STEEL 304
 ANCHOR : STAINLESS STEEL 303

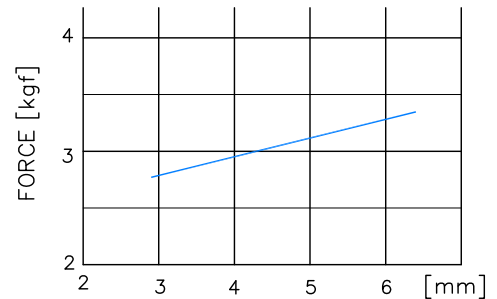
DIMENSIONS : mm

BASIC HEATSINK MODEL NUMBER	OVERALL HEIGHT [h]	BASIC HEATSINK WEIGHT (grams)	FEATURES
QUBR60-10B	10	38.6	FOR FORCED CONVECTION HIGH PERFORMANCE HEATSINK. LOW PRESSURE DROP.
QUBR60-15B	15	47.4	
QUBR60-20B	20	56.2	
QUBR60-25B	25	65	

● PCB HOLE PATTERN & SUGGESTED KEEP-OUT AREA



● CLIP FORCE



ANCR-8 : CHIP HEIGHT + PCB THK + 3.0
 ANCR-11 : CHIP HEIGHT + PCB THK
 ANCR-13 : CHIP HEIGHT + PCB THK - 2.0
 ANCR-16 : CHIP HEIGHT + PCB THK - 5.0

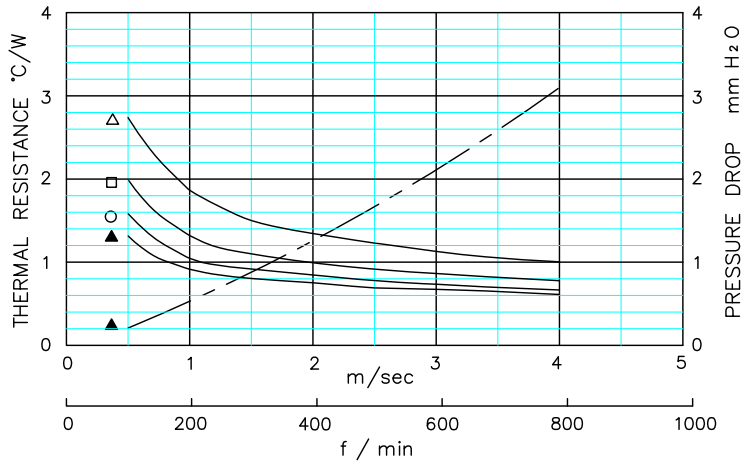
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 E mail : sales@alphanovatech.com
 URL : <http://www.alphanovatech.com>

DATA



- △ QUBR60-10B
- QUBR60-15B
- QUBR60-20B
- ▲ QUBR60-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE _____
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

TO BUILD PART NUMBER, PLEASE VISIT OUR WEBSITE www.micforg.co.jp OR CONTACT ALPHA SALES.

Alpha Company Ltd.

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