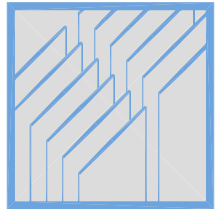
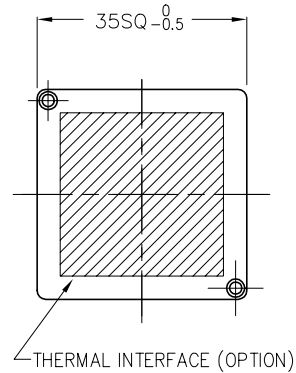
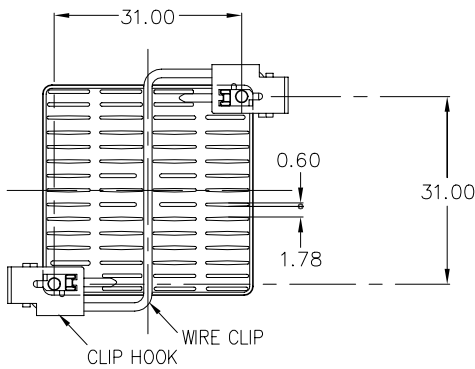


QuickSet Series  
QUBR

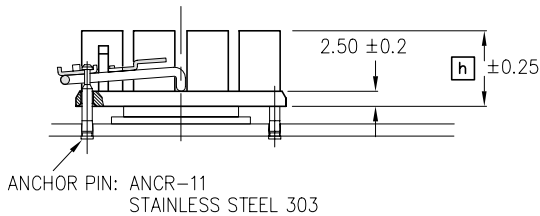
**ALPHA**



DIM



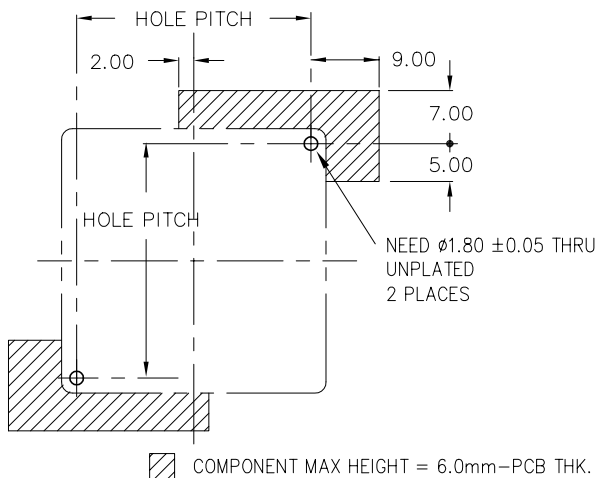
BOTTOM VIEW



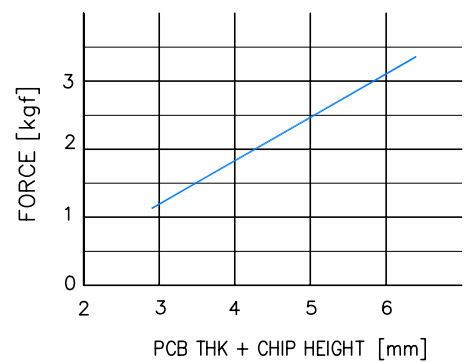
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



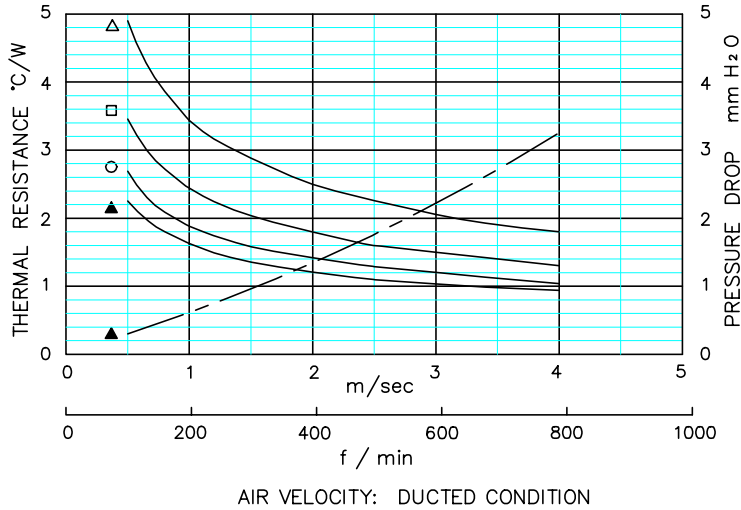
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 URL : http://www.alphanovatech.com

DATA



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

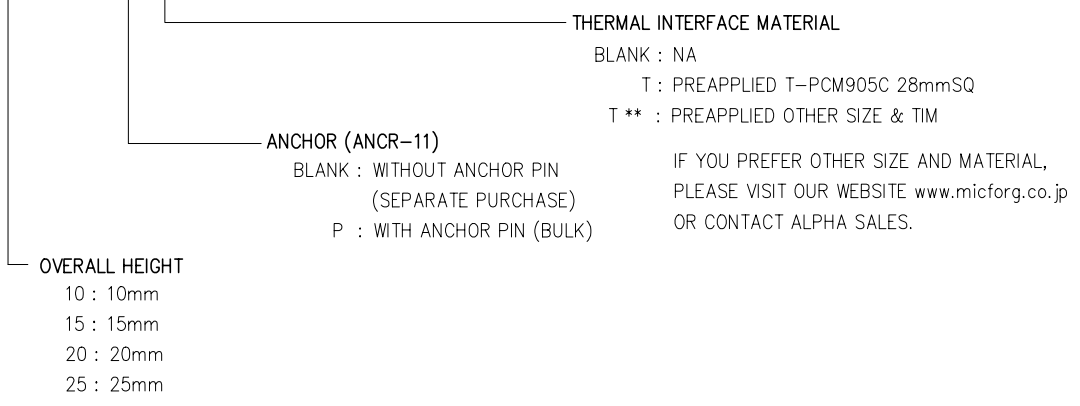
- DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE \_\_\_\_\_  
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

REF



MODEL NAME INFORMATION

QUBR35- [h] B - Z [P] [T]

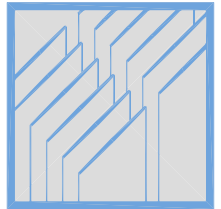


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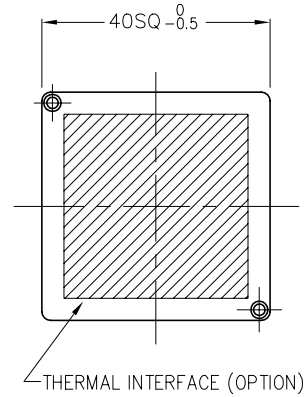
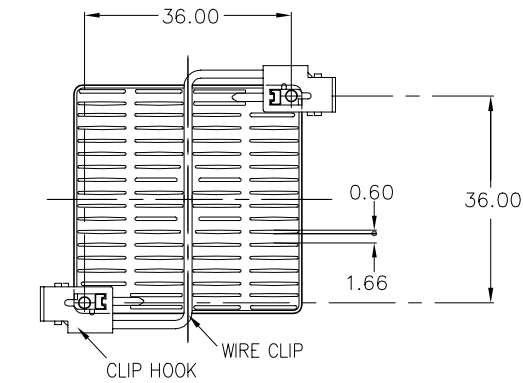
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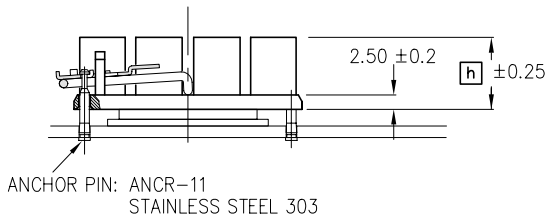
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DIM



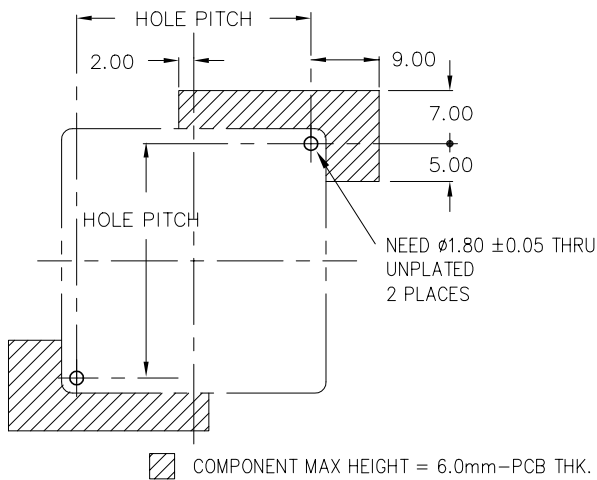
BOTTOM VIEW



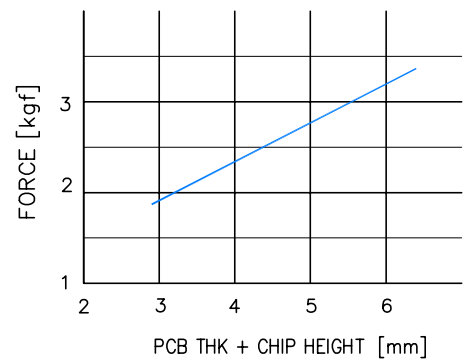
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



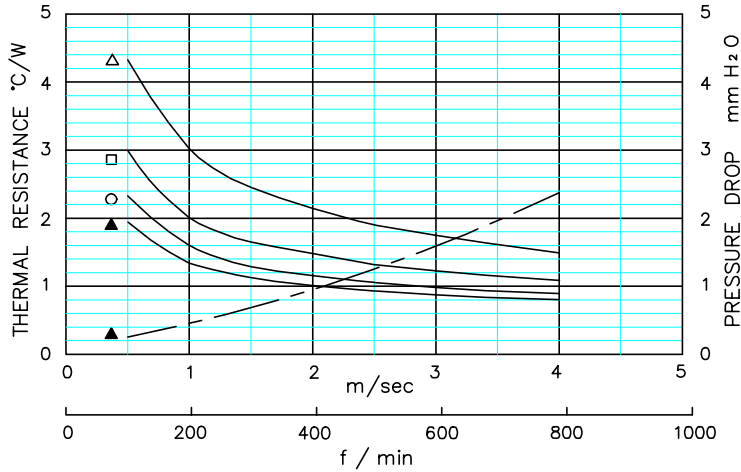
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DATA



- △ 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.

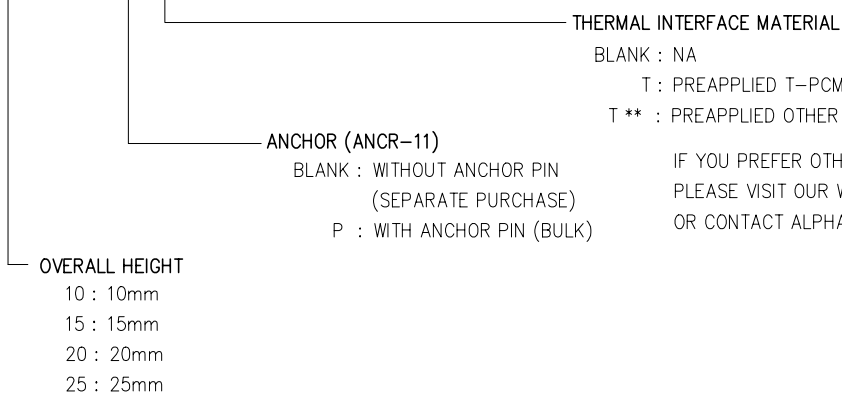
AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

QUBR40- [h] B - Z [P] [T]



THERMAL INTERFACE MATERIAL  
BLANK : NA  
T : PREAPPLIED T-PCM905C 28mmSQ  
T \*\* : PREAPPLIED OTHER SIZE & TIM

ANCHOR (ANCR-11)  
BLANK : WITHOUT ANCHOR PIN  
(SEPARATE PURCHASE)  
P : WITH ANCHOR PIN (BULK)

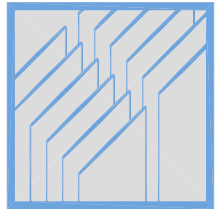
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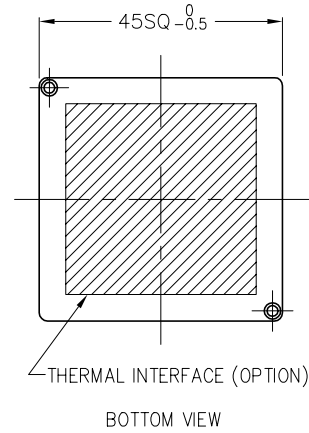
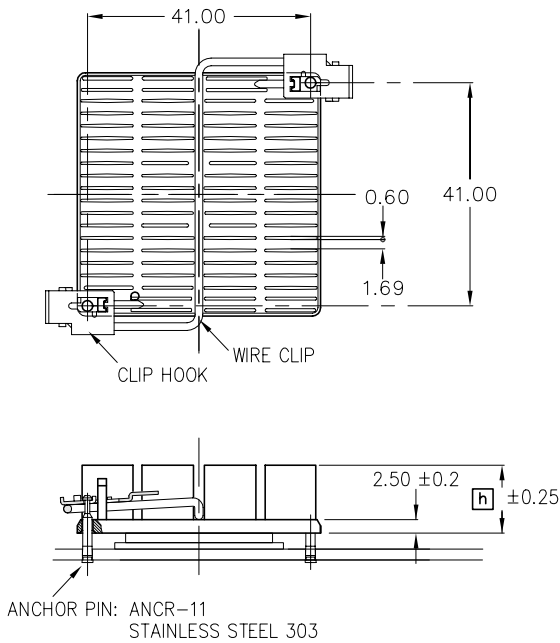
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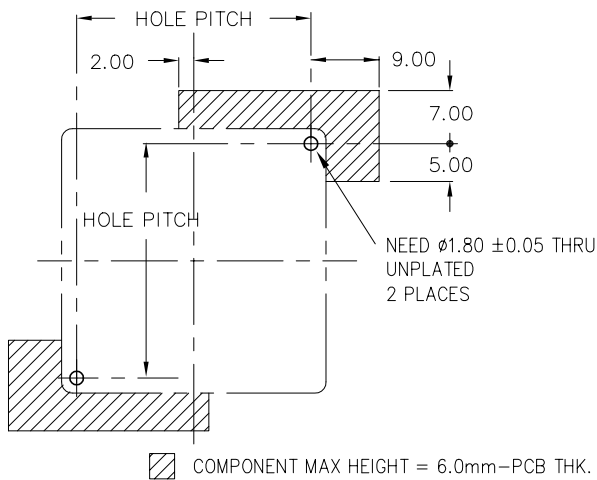
DIM



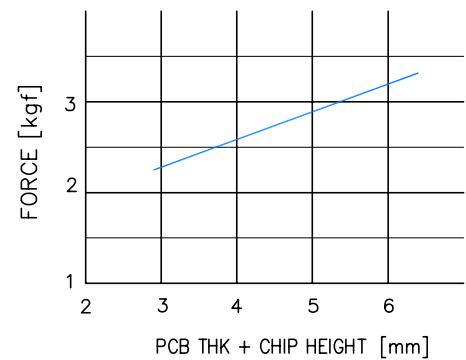
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



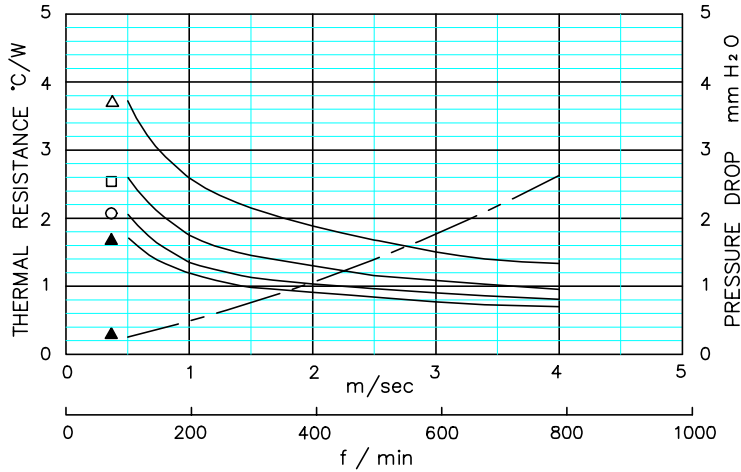
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DATA



- △ 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.

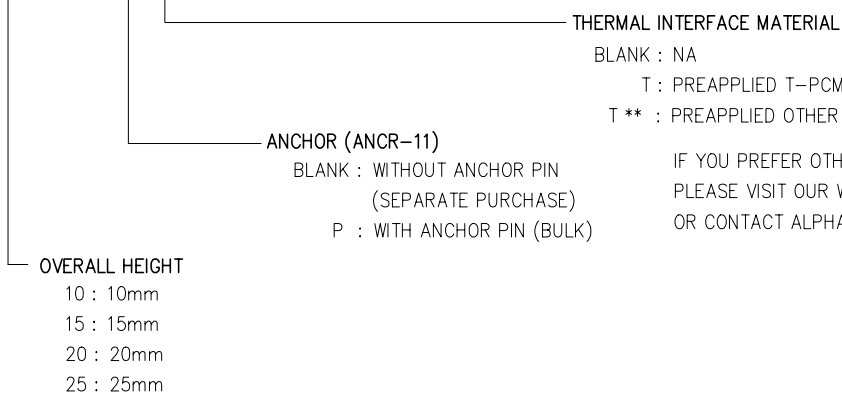
AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

QUBR45- [h] B - Z [P] [T]



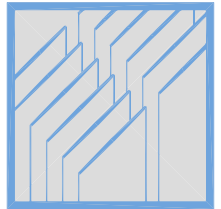
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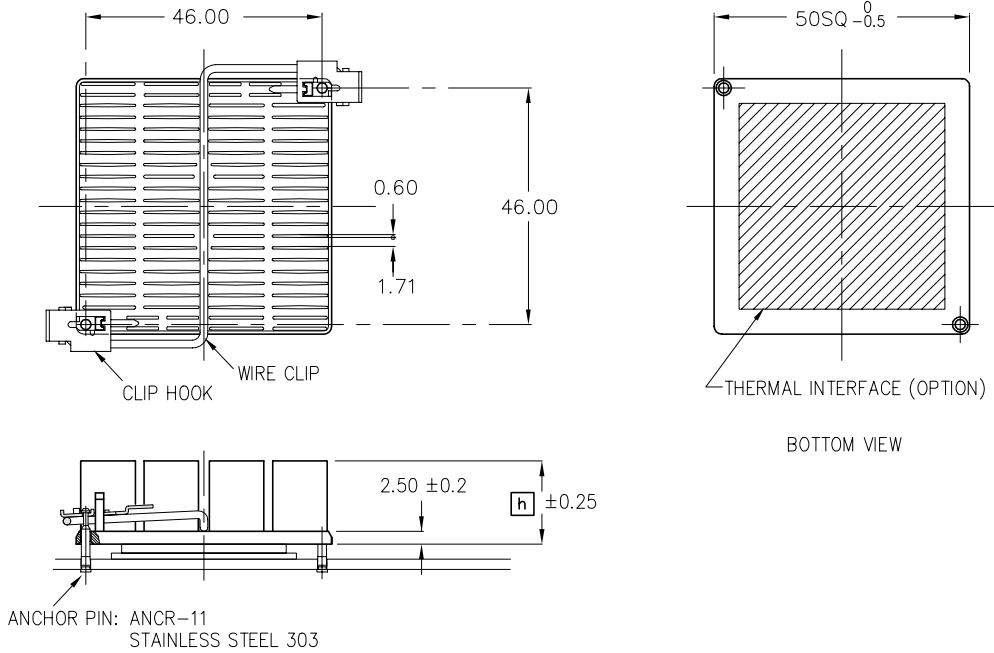
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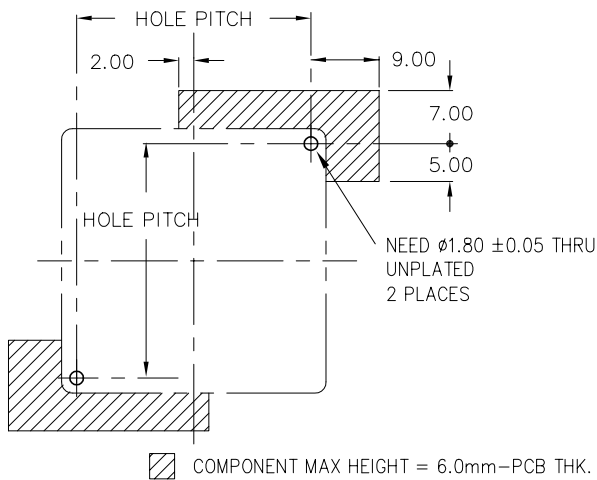
DIM



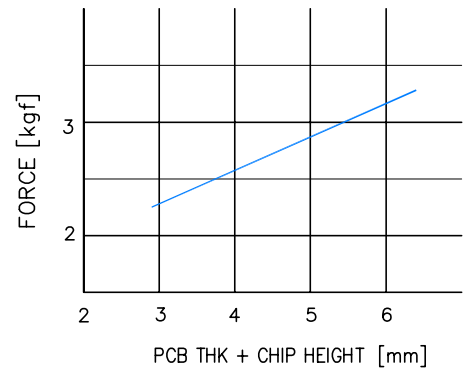
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



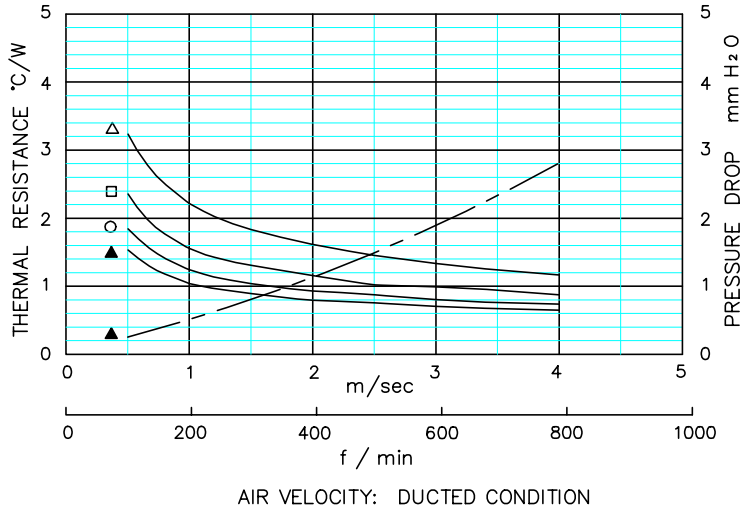
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DATA



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

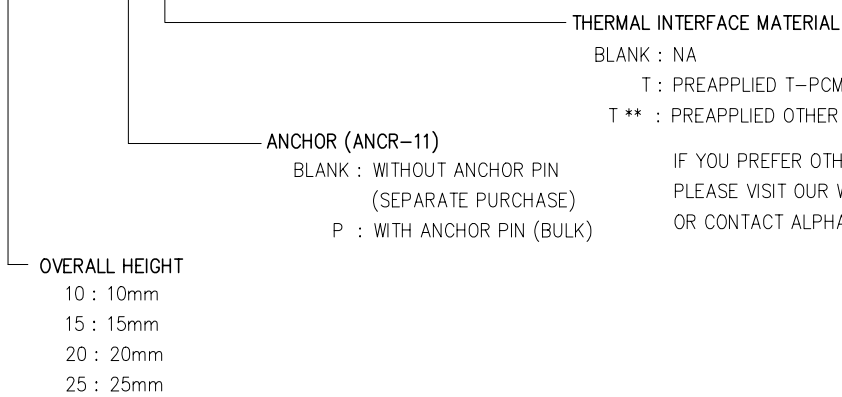
- DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE \_\_\_\_\_  
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

REF



MODEL NAME INFORMATION

QUBR50- [h] B - Z [P] [T]



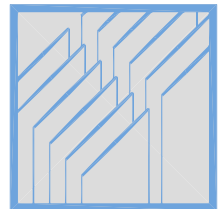
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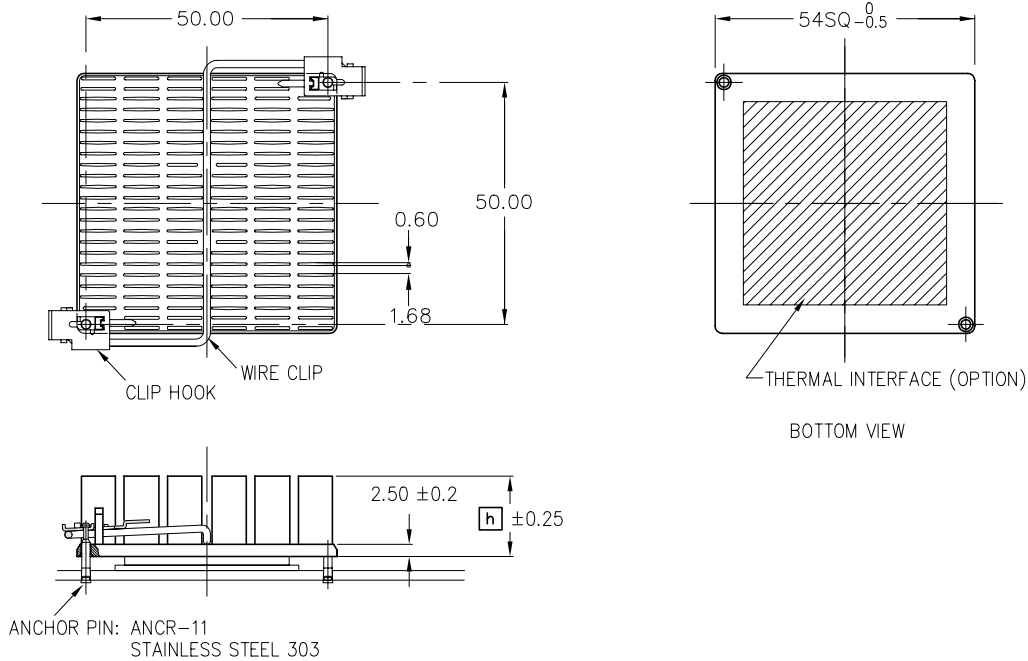
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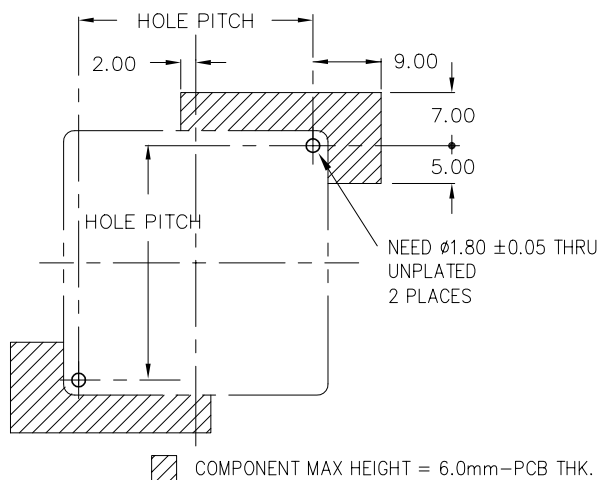
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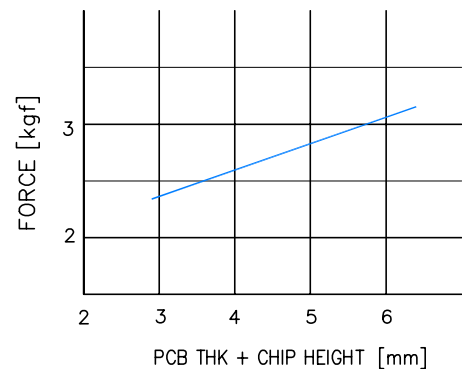
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



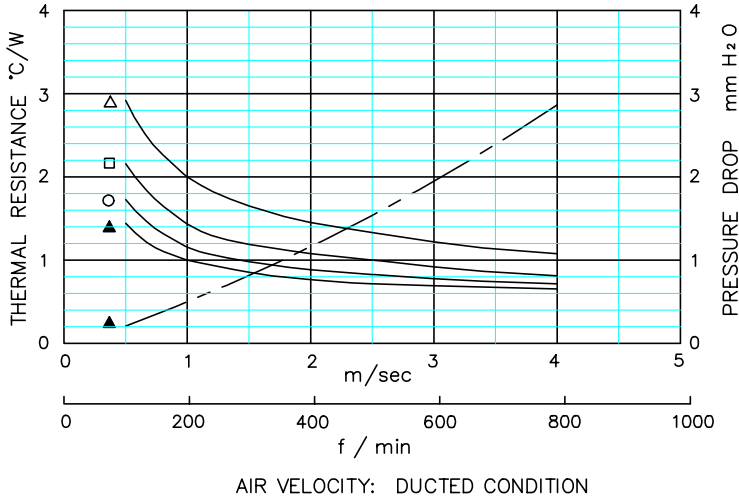
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DATA



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

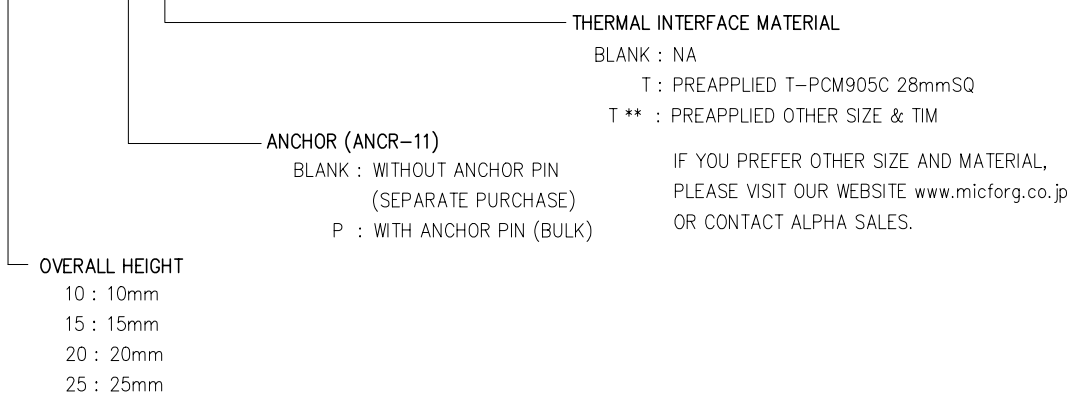
- DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE \_\_\_\_\_  
PRESURE DROP - - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

REF



MODEL NAME INFORMATION

QUBR54- [h] B - Z [P] [T]

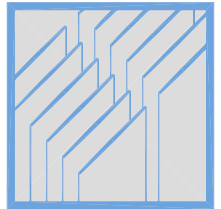


Alpha Company Ltd.

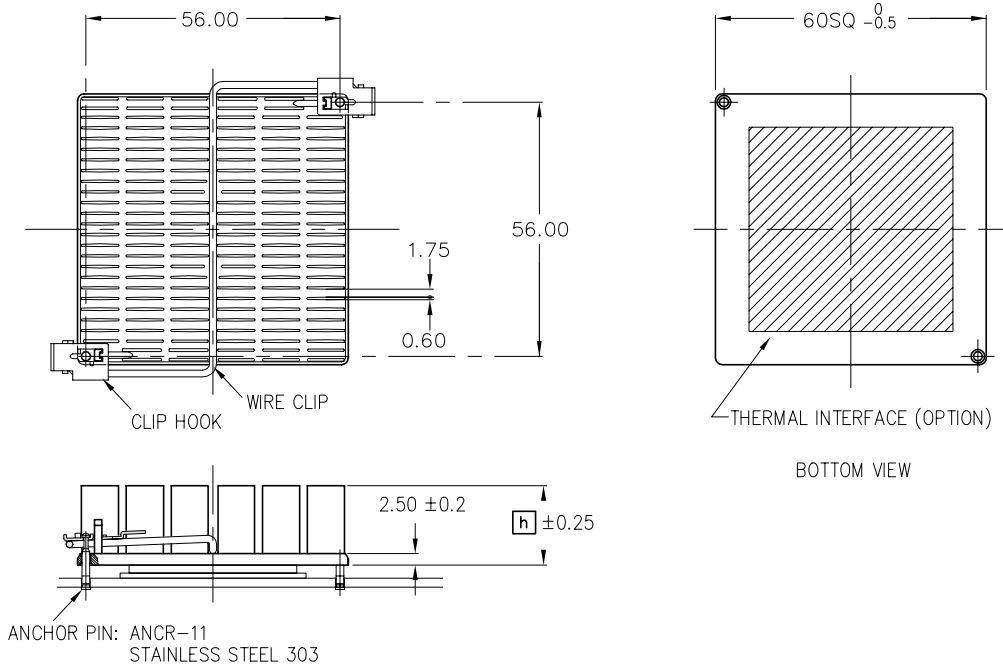
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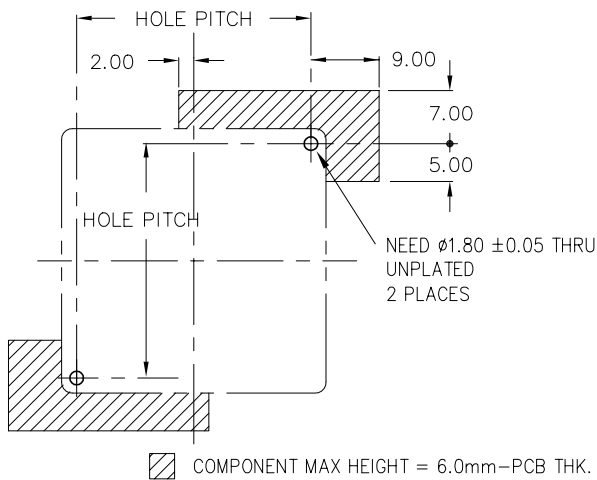
DIM



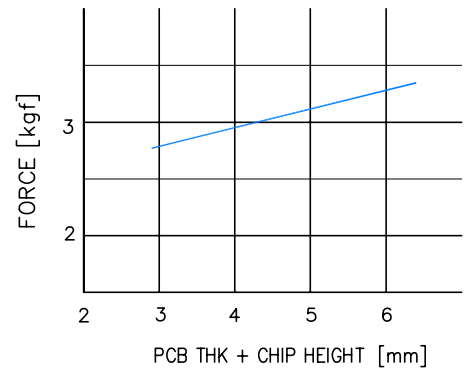
\* MATERIAL: HEATSINK A6063 BLACK ANODIZE, WIRE CLIP SW-C NICKEL PRECOATED CLIP, HOOK STAINLESS STEEL 304  
DIMENSIONS : mm

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



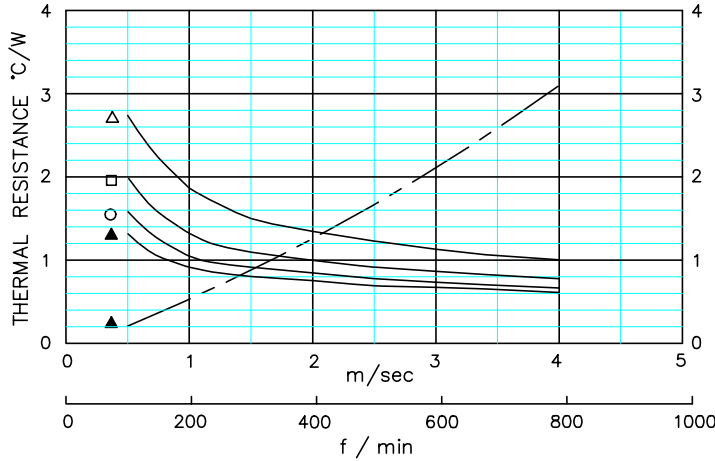
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DATA



- △ 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.

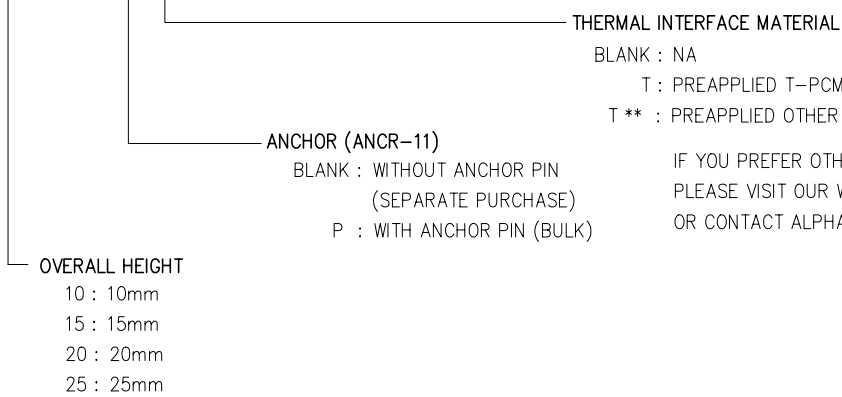
AIR VELOCITY: DUCTED CONDITION

REF



MODEL NAME INFORMATION

QUBR60- [h] B - Z [P] [T]



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