FSP Series

Active Heat Sink

with ATTACHMENT Holes

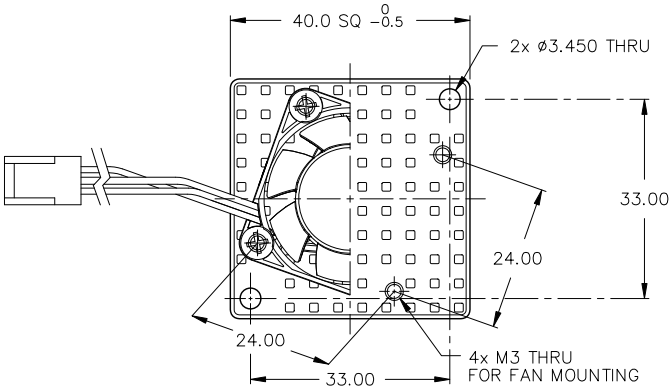
ALPHA

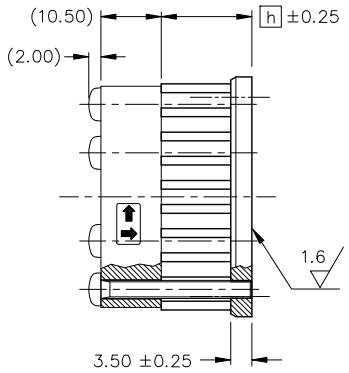
ALPHA

Active Heat Sink with Attachment Holes

FSP40

DIM





- HEAT SINK — MATERIAL : A6063; FINISH : BLACK ANODIZE
- FAN — M32: COFAN AGE03010B12U-09, 30 SQ +0.5/−0, 10.5 +0.5/−0 THK
  - FAN DETAIL: PLEASE VISIT OUR WEBSITE.
- SCREW (Q'TY 4) PAN HEAD PHILLIPS M3 STEEL Cr3+

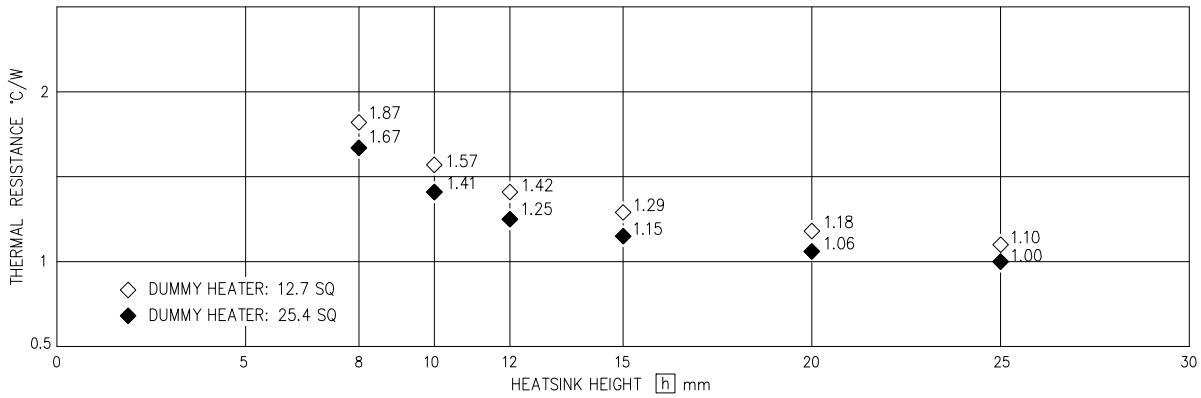
HEATSINK HEIGHT h	WEIGHT (grams)
8.00	16.4
10.00	17.4
12.00	18.3
15.00	19.7
20.00	22.0
25.00	24.4

MODEL	WEIGHT (grams)
FSP40−8M32	30.2
FSP40−10M32	31.6
FSP40−12M32	32.9
FSP40−15M32	34.9
FSP40−20M32	37.9
FSP40−25M32	41.1

DIMENSIONS : mm

- TO SELECT PUSH PINS AND SPRINGS, TO APPLY TIM. PLEASE VISIT OUR WEBSITE.

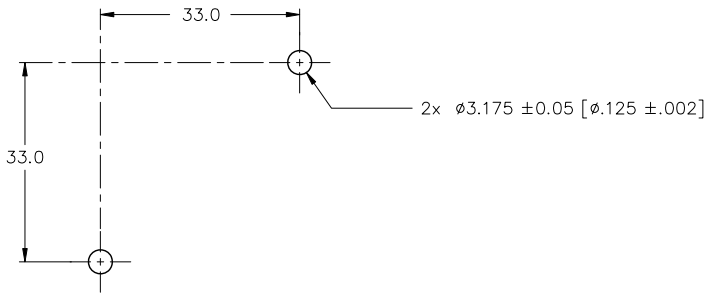
DATA



- TESTING SPECIFICATIONS, DUMMY HEATER SIZE : 12.7SQ & 25.4 SQ
- BASED ON ALPHA'S STANDARD TEST PROCEDURE. REFER TO TECHNICAL INFORMATION.

REF

PCB HOLE LAYOUT



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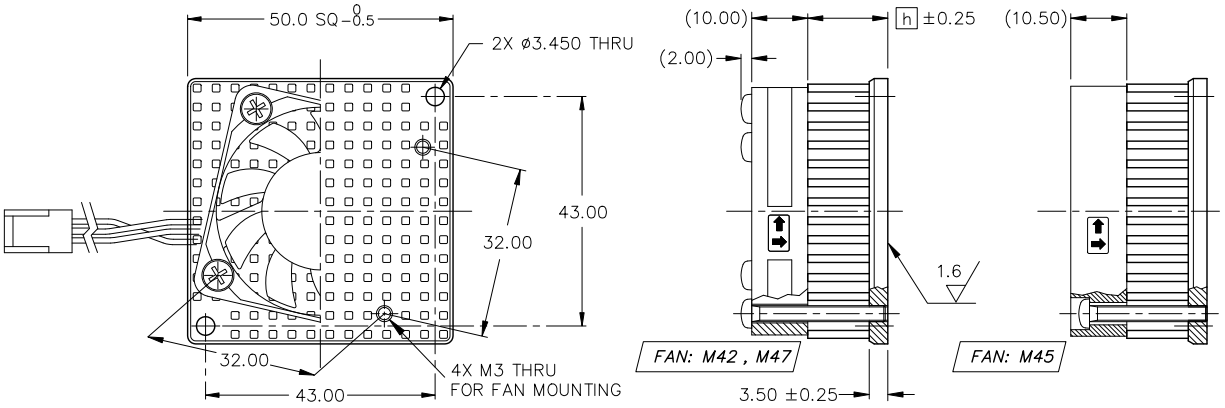
ALPHA

Active Heat Sink with Attachment Holes

FSP50

DIM



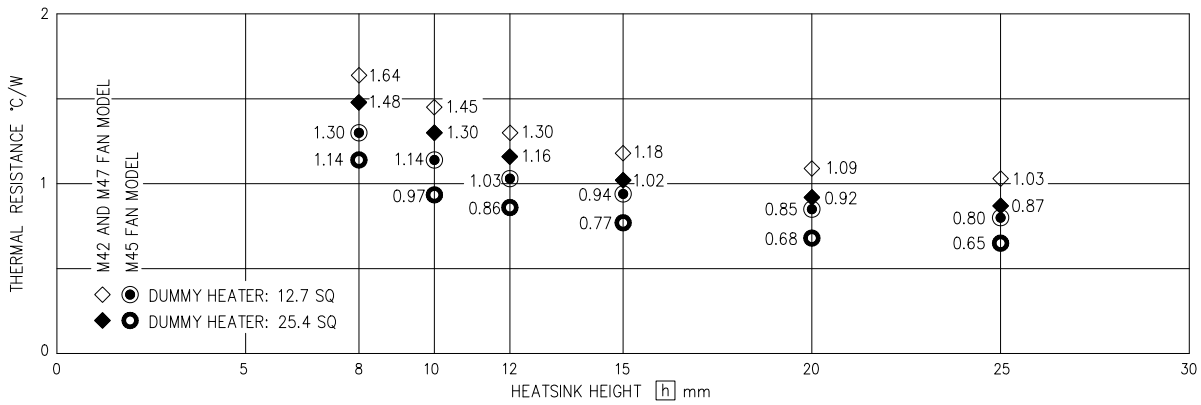
- HEAT SINK — MATERIAL : A6063; FINISH : BLACK ANODIZE
- SCREW (Q'TY 4) PAN HEAD PHILLIPS M3 STEEL Cr3+
- FAN — M42: SANYO DENKI (12V FAN) 109P0412H901; M47: SANYO DENKI (5V FAN) 109P0405H901; 40 SQ +1/−0, 10 +1/−0 THK; M45: COFAN F−4010H12BII−12; 40.5 SQ ±0.4, 10.5 ±0.2 mm THK
- FAN DETAIL: PLEASE VISIT OUR WEBSITE.

HEATSINK HEIGHT h	WEIGHT (grams)	M42 FAN MODEL	WEIGHT (grams)	M45 FAN MODEL	WEIGHT (grams)	M47 FAN MODEL	WEIGHT (grams)
8.00	27.3	FSP50−8M42	51.5	FSP50−8M45	45.3	FSP50−8M47	51.5
10.00	29.4	FSP50−10M42	53.9	FSP50−10M45	47.7	FSP50−10M47	53.9
12.00	31.4	FSP50−12M42	56.3	FSP50−12M45	50.1	FSP50−12M47	56.3
15.00	34.5	FSP50−15M42	59.9	FSP50−15M45	53.7	FSP50−15M47	59.9
20.00	39.6	FSP50−20M42	65.8	FSP50−20M45	59.6	FSP50−20M47	65.8
25.00	44.7	FSP50−25M42	71.7	FSP50−25M45	65.5	FSP50−25M47	71.7

DIMENSIONS : mm

- TO SELECT PUSH PINS AND SPRINGS, TO APPLY TIM. PLEASE VISIT OUR WEBSITE.

DATA



- TESTING SPECIFICATIONS, DUMMY HEATER SIZE : 12.7SQ & 25.4 SQ
- BASED ON ALPHA'S STANDARD TEST PROCEDURE. REFER TO TECHNICAL INFORMATION.

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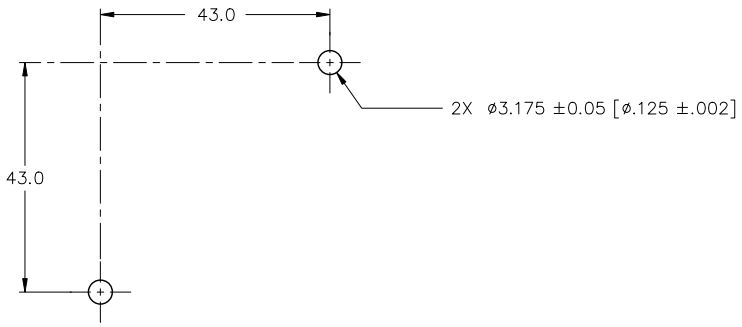
PCB HOLE LAYOUT



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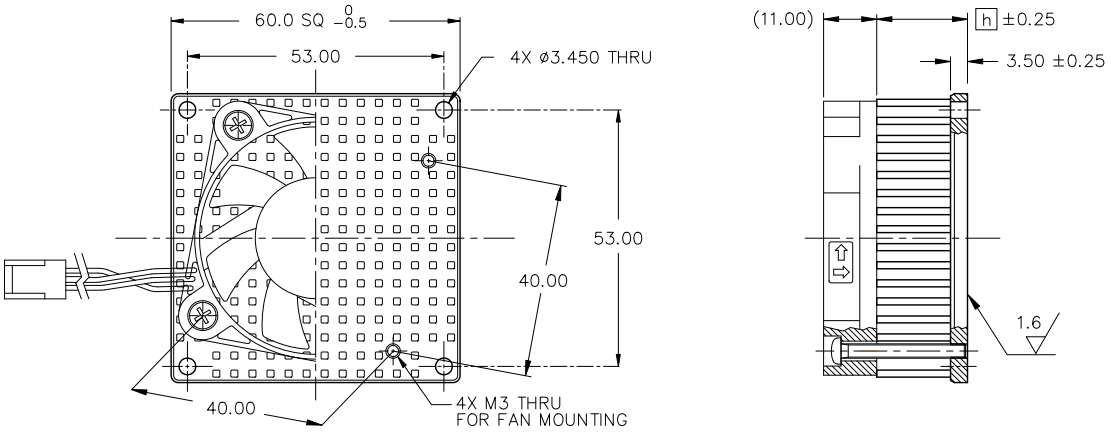
ALPHA

Active Heat Sink with Attachment Holes FSP60

DIM



- HEAT SINK MATERIAL : A6063
  FINISH : BLACK ANODIZE
- SCREW (Q'TY 4) PAN HEAD PHILLIPS M3 STEEL Cr3+
- FAN M51: COFAN F-5010HH12B-11
  50 SQ ±0.4, 11 ±0.3 mm THK
- FAN DETAIL: PLEASE VISIT OUR WEBSITE.

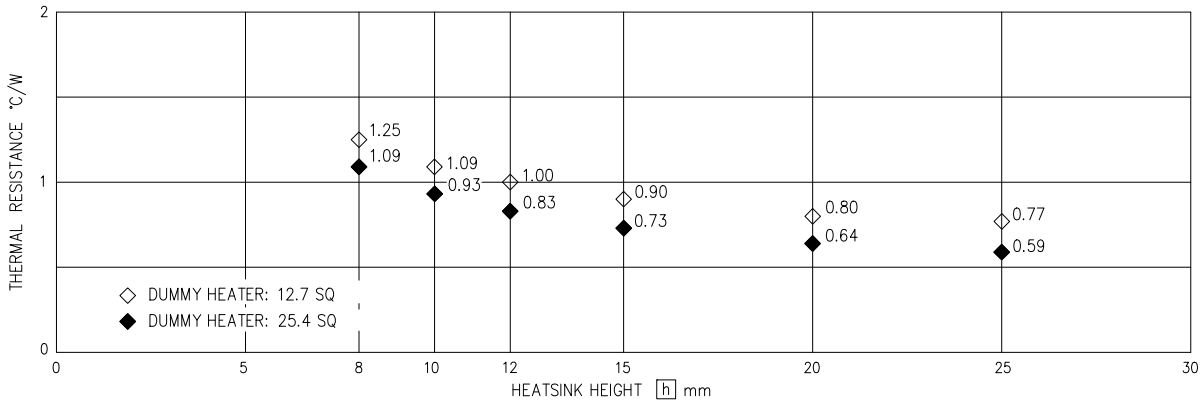
HEATSINK HEIGHT h	WEIGHT (grams)
8.00	38.7
10.00	41.3
12.00	43.9
15.00	47.9
20.00	54.4
25.00	61.0

MODEL	WEIGHT (grams)
FSP60-8M51	62.6
FSP60-10M51	65.6
FSP60-12M51	68.5
FSP60-15M51	73.0
FSP60-20M51	80.3
FSP60-25M51	87.7

DIMENSIONS : mm

- TO SELECT PUSH PINS AND SPRINGS, TO APPLY TIM. PLEASE VISIT OUR WEBSITE.

DATA



- TESTING SPECIFICATIONS, DUMMY HEATER SIZE : 12.7SQ & 25.4 SQ
- BASED ON ALPHA'S STANDARD TEST PROCEDURE. REFER TO TECHNICAL INFORMATION.

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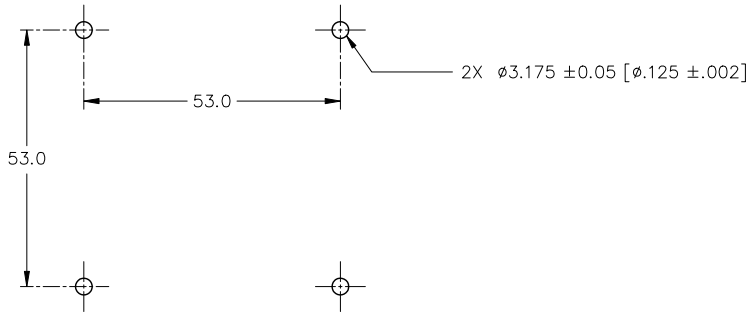
PCB HOLE LAYOUT



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