

MD Series

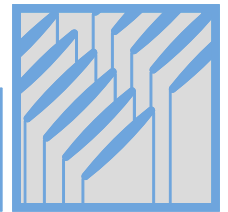
Middle Density Heat Sink

ALPHA

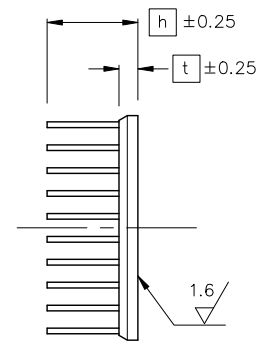
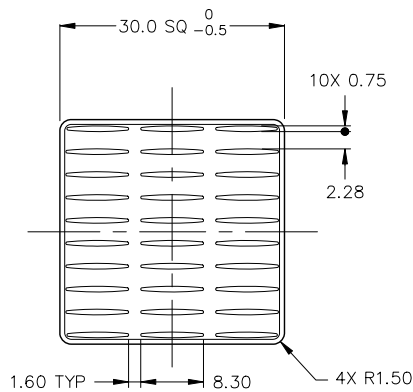
ALPHA

Middle Density Heat Sink

MD30



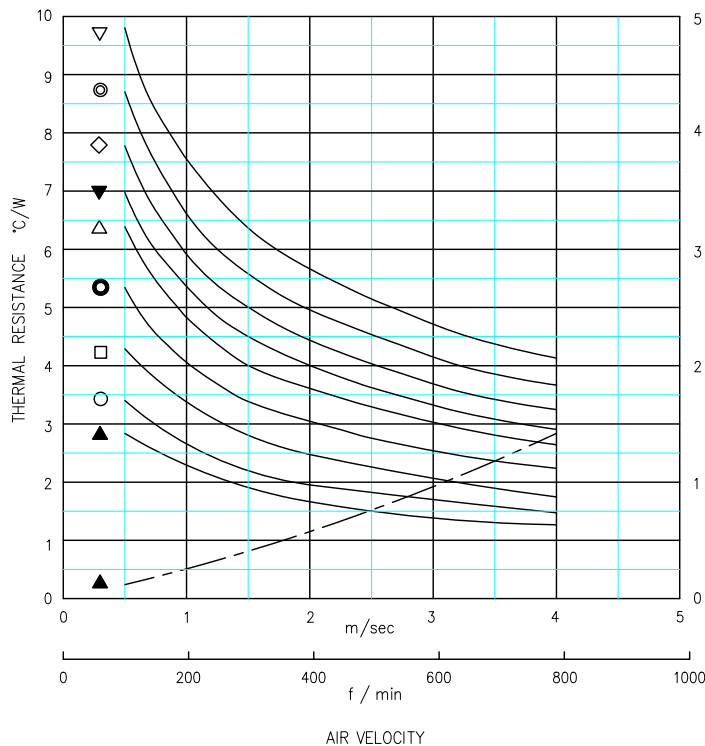
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD30-6B	6	2.00	6.4
MD30-7B	7		6.8
MD30-8B	8		7.2
MD30-9B	9		7.6
MD30-10B	10		8.0
MD30-12B	12	2.50	10.0
MD30-15B	15		11.2
MD30-20B	20		13.2
MD30-25B	25		15.2
MD30-[h]B	[h] ≤ 10	2.00	-
	10 < [h] ≤ 25	2.50	-

DATA



- ▽ MD30-6B
- ⊙ MD30-7B
- ◇ MD30-8B
- ▼ MD30-9B
- △ MD30-10B
- MD30-12B
- MD30-15B
- MD30-20B
- ▲ MD30-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ———
 PRESSURE DROP - - - - -

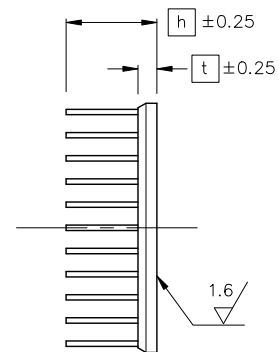
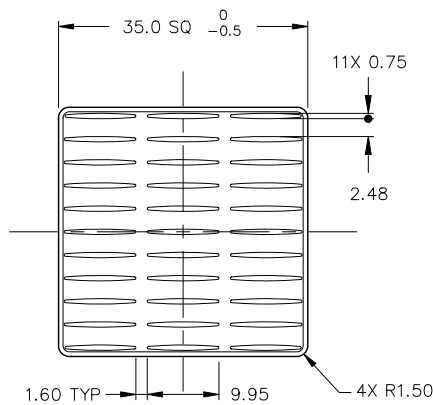
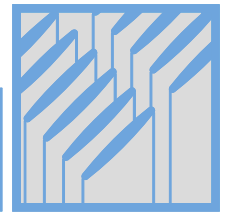
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
 PHONE +81(55)966 0789
 FAX +81(55)966 9192
 E mail : alpha@micforg.co.jp
 URL : http://www.micforg.co.jp

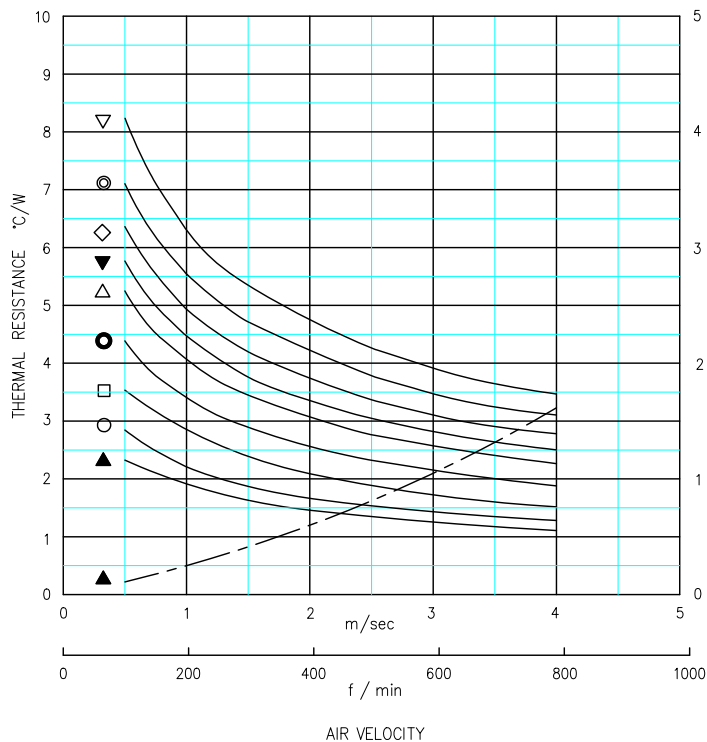
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA
 PHONE +1(408)567-8082
 FAX +1(408)567-8053
 E mail : sales@alphanovatech.com
 URL : http://www.alphanovatech.com



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD35-6B	6	2.00	8.7
MD35-7B	7		9.2
MD35-8B	8		9.7
MD35-9B	9		10.3
MD35-10B	10	2.50	10.8
MD35-12B	12		13.2
MD35-15B	15		14.8
MD35-20B	20	3.00	18.8
MD35-25B	25		21.5
MD35-[h]B	[h] ≤ 10	2.00	-
	10 < [h] ≤ 15	2.50	-
	15 < [h] ≤ 25	3.00	-



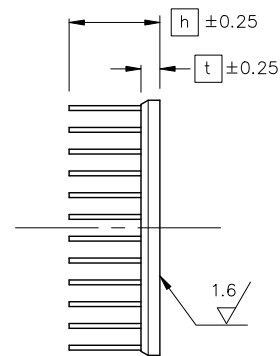
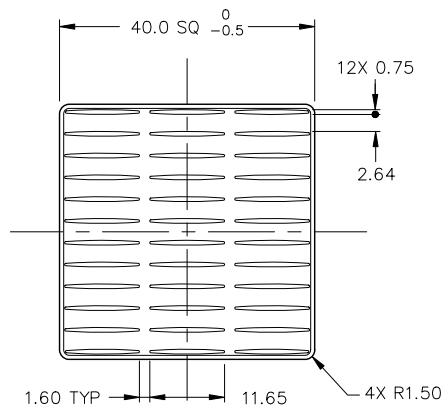
- ▽ MD35-6B
- ◎ MD35-7B
- ◇ MD35-8B
- ▼ MD35-9B
- △ MD35-10B
- MD35-12B
- MD35-15B
- MD35-20B
- ▲ MD35-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ————
 PRESSURE DROP - - - - -

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



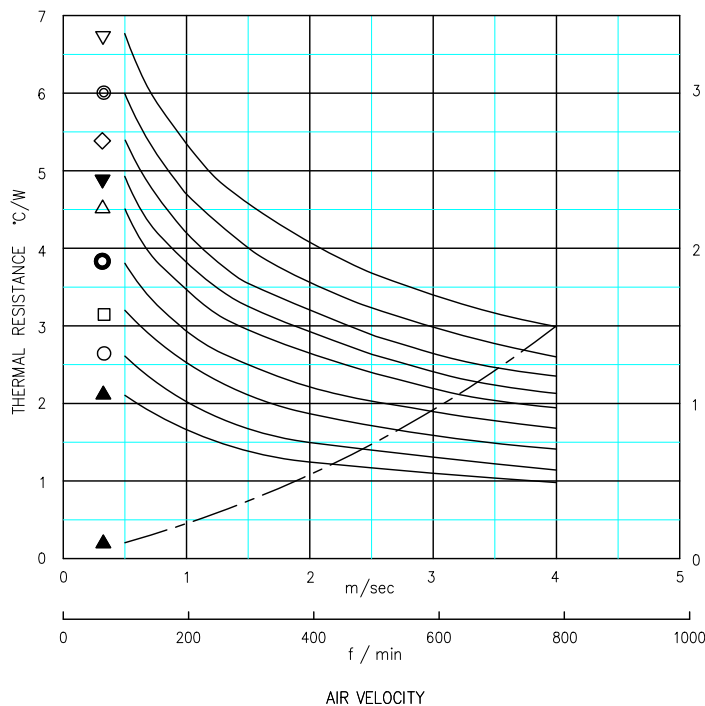
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD40-6B	6	2.00	11.2
MD40-7B	7		11.9
MD40-8B	8		12.6
MD40-9B	9	2.50	13.3
MD40-10B	10		14.0
MD40-12B	12		17.6
MD40-15B	15	3.00	19.7
MD40-20B	20		25.0
MD40-25B	25		28.5
MD40-[h]B	[h] ≤ 10	2.00	-
	10 < [h] ≤ 15	2.50	-
	15 < [h] ≤ 25	3.00	-

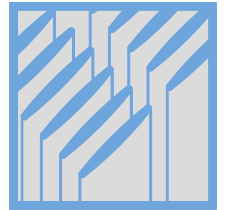
DATA



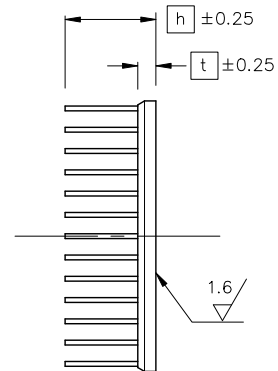
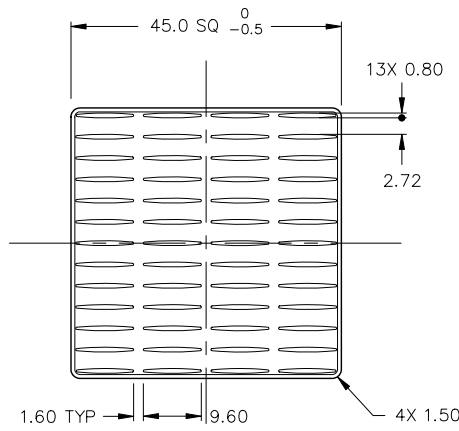
- ▽ MD40-6B
- ⊙ MD40-7B
- ◇ MD40-8B
- ▼ MD40-9B
- △ MD40-10B
- MD40-12B
- MD40-15B
- MD40-20B
- ▲ MD40-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ————
 PRESSURE DROP - - - - -

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



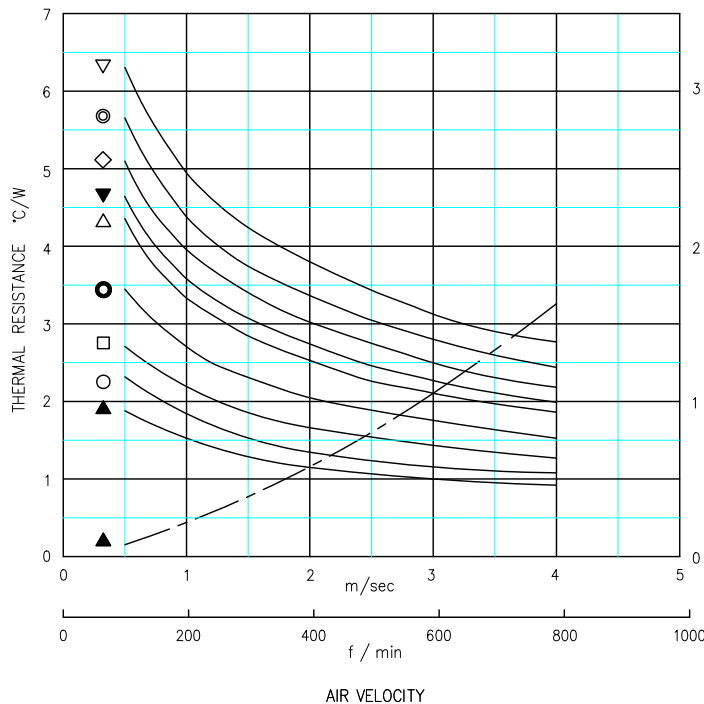
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD45-6B	6	2.50	16.3
MD45-7B	7		17.1
MD45-8B	8		18.0
MD45-9B	9		18.8
MD45-10B	10	3.00	22.3
MD45-12B	12		23.9
MD45-15B	15		26.4
MD45-20B	20		30.4
MD45-25B	25		34.4
MD45-[h]B	[h] ≤ 9	2.50	-
	9 < [h] ≤ 25	3.00	-

DATA



- ▽ MD45-6B
- ⊙ MD45-7B
- ◇ MD45-8B
- ▼ MD45-9B
- △ MD45-10B
- MD45-12B
- MD45-15B
- MD45-20B
- ▲ MD45-25B

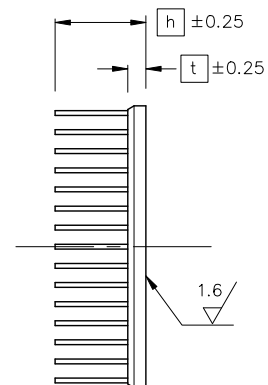
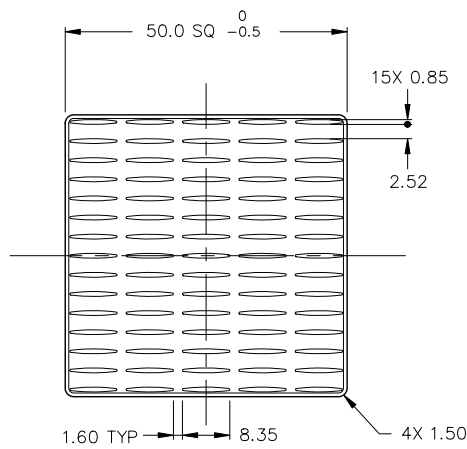
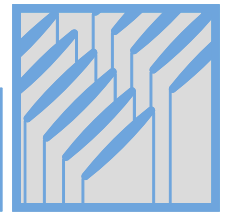
● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ———
 PRESSURE DROP - - - - -

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

ALPHA

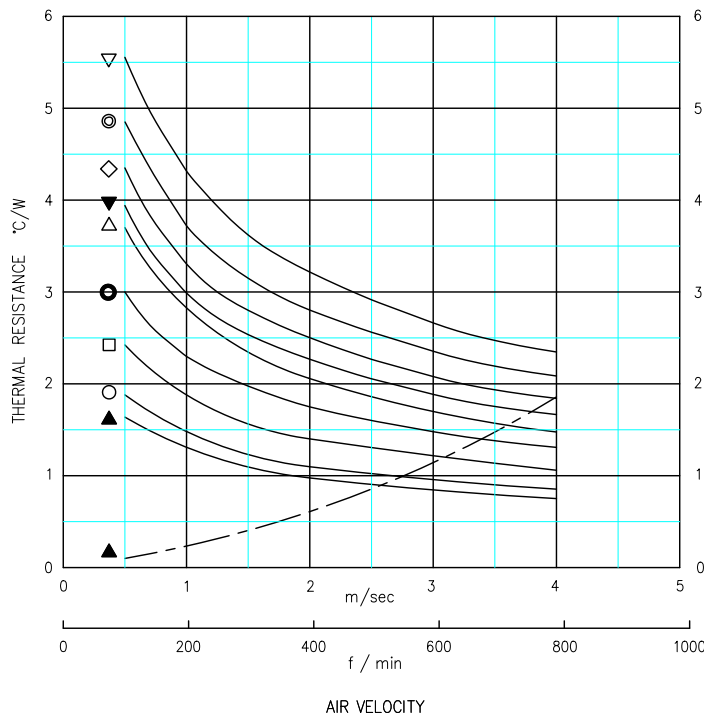
Middle Density Heat Sink

MD50



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD50-6B	6	2.50	20.6
MD50-7B	7		21.7
MD50-8B	8		22.8
MD50-9B	9		23.9
MD50-10B	10	3.50	30.7
MD50-12B	12		32.9
MD50-15B	15		36.0
MD50-20B	20		41.3
MD50-25B	25		46.6
MD50-[h]B	[h] ≤ 9	2.50	-
	9 < [h] ≤ 25	3.50	-



- ▽ MD50-6B
- ⊙ MD50-7B
- ◇ MD50-8B
- ▼ MD50-9B
- △ MD50-10B
- MD50-12B
- MD50-15B
- MD50-20B
- ▲ MD50-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ————
 PRESSURE DROP - - - - -

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

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
 PHONE +81(55)966 0789
 FAX +81(55)966 9192
 E mail : alpha@micforg.co.jp
 URL : http://www.micforg.co.jp

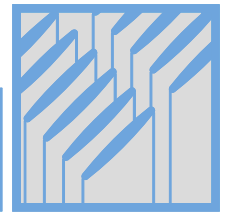
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA
 PHONE +1(408)567-8082
 FAX +1(408)567-8053
 E mail : sales@alphanovatech.com
 URL : http://www.alphanovatech.com

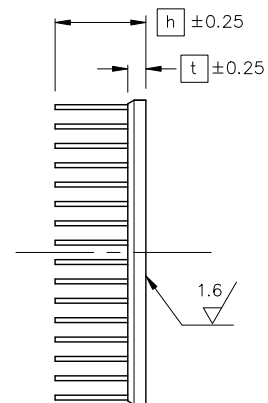
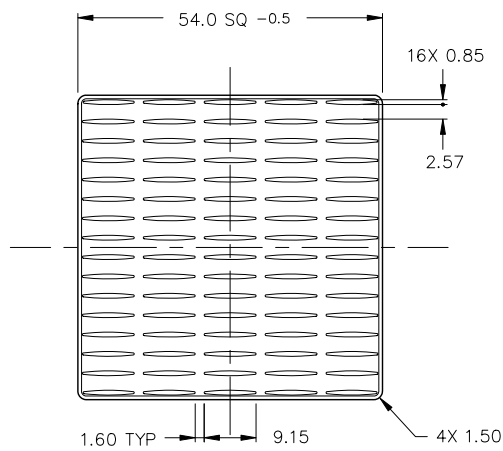
ALPHA

Middle Density Heat Sink

MD54



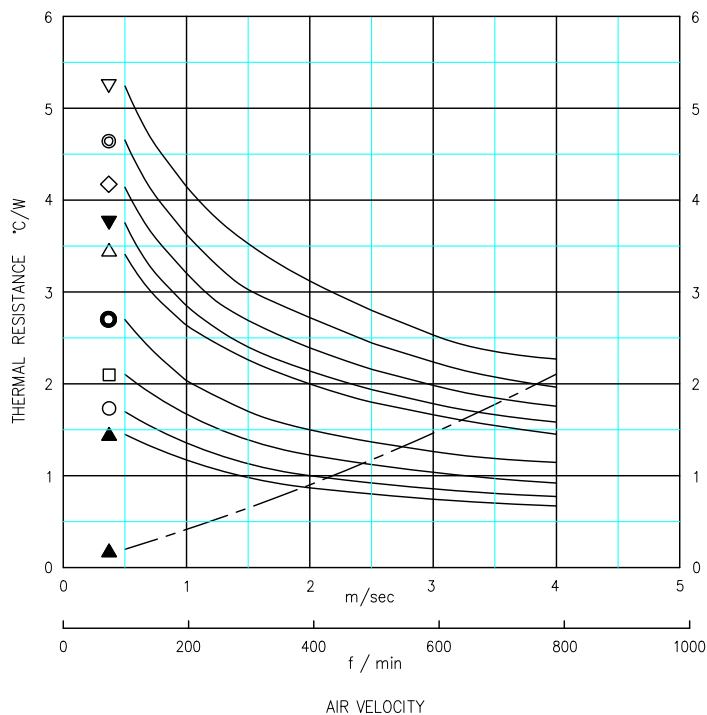
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD54-6B	6	3.00	26.9
MD54-7B	7		28.2
MD54-8B	8		29.5
MD54-9B	9		30.8
MD54-10B	10	4.00	39.3
MD54-12B	12		41.8
MD54-15B	15		45.6
MD54-20B	20		51.9
MD54-25B	25		58.2
MD54-[h]B	[h] ≤ 9	3.00	-
	9 < [h] ≤ 25	4.00	-

DATA



- ▽ MD54-6B
- ⊙ MD54-7B
- ◇ MD54-8B
- ▼ MD54-9B
- △ MD54-10B
- MD54-12B
- MD54-15B
- MD54-20B
- ▲ MD54-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ————
 PRESSURE DROP - - - - -

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

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
 PHONE +81(55)966 0789
 FAX +81(55)966 9192
 E mail : alpha@micforg.co.jp
 URL : http://www.micforg.co.jp

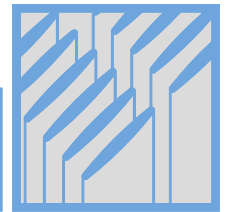
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA
 PHONE +1(408)567-8082
 FAX +1(408)567-8053
 E mail : sales@alphanovatech.com
 URL : http://www.alphanovatech.com

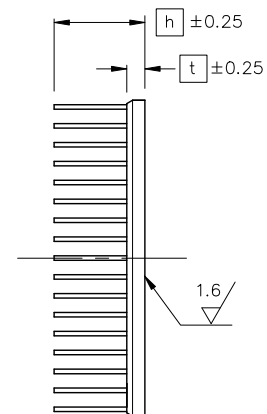
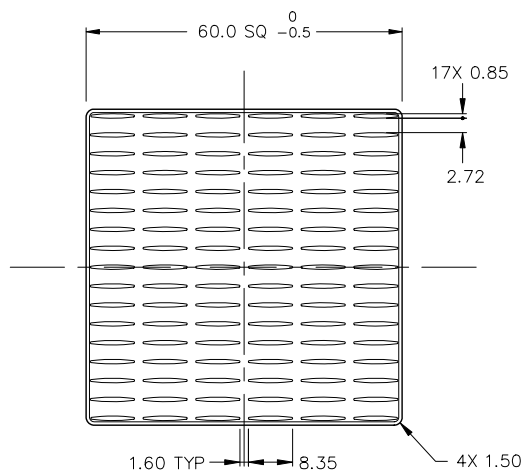
ALPHA

Middle Density Heat Sink

MD60



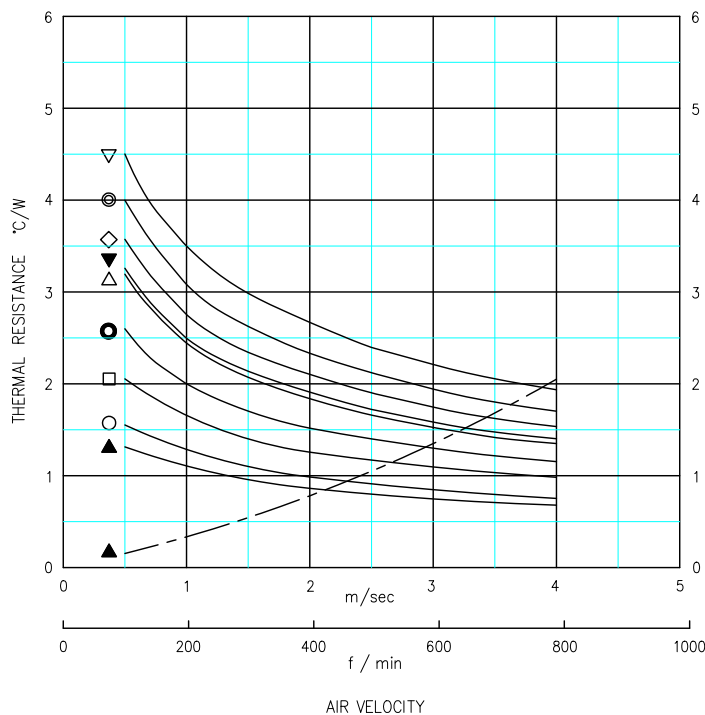
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD60-6B	6	3.00	33.1
MD60-7B	7		34.9
MD60-8B	8		36.7
MD60-9B	9	4.00	38.6
MD60-10B	10		47.3
MD60-12B	12		50.3
MD60-15B	15		54.7
MD60-20B	20		62.1
MD60-25B	25		69.5
MD60-[h]B	[h] ≤ 9	3.00	-
	9 < [h] ≤ 25	4.00	-

DATA



- ▽ MD60-6B
- ⊙ MD60-7B
- ◇ MD60-8B
- ▼ MD60-9B
- △ MD60-10B
- MD60-12B
- MD60-15B
- MD60-20B
- ▲ MD60-25B

● DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ———
 PRESSURE DROP - - - - -

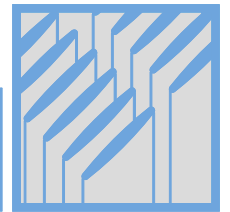
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

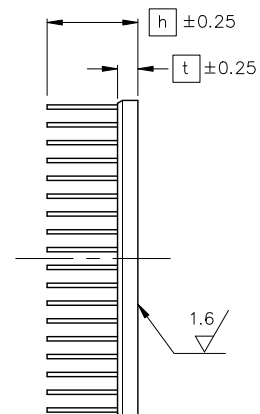
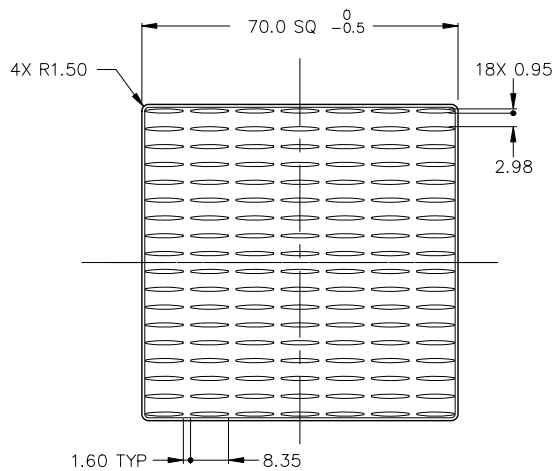
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
 PHONE +81(55)966 0789
 FAX +81(55)966 9192
 E mail : alpha@micforg.co.jp
 URL : http://www.micforg.co.jp

Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA
 PHONE +1(408)567-8082
 FAX +1(408)567-8053
 E mail : sales@alphanovatech.com
 URL : http://www.alphanovatech.com



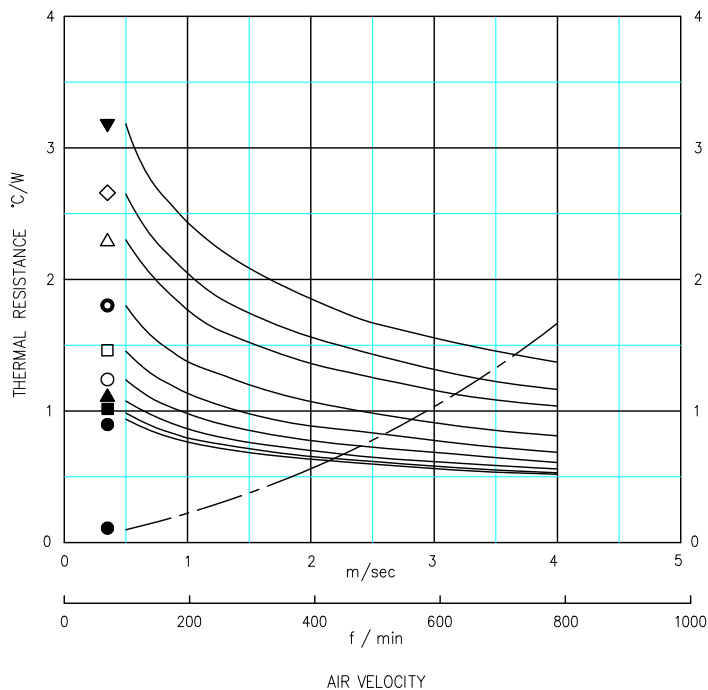
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

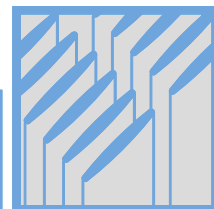
MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD70-8B	8	3.00	49.6
MD70-10B	10		53.8
MD70-12B	12		58.0
MD70-15B	15	4.50	80.7
MD70-20B	20		91.2
MD70-25B	25		101.7
MD70-30B	30		112.1
MD70-35B	35		122.6
MD70-40B	40		133.0
MD70-[h]B	[h] ≤ 12	3.00	-
	12 < [h] ≤ 40	4.50	-

DATA

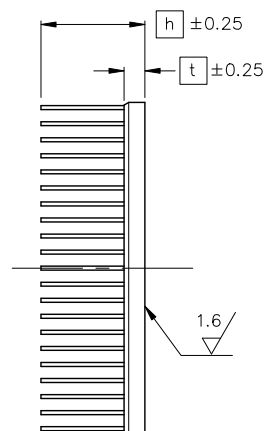
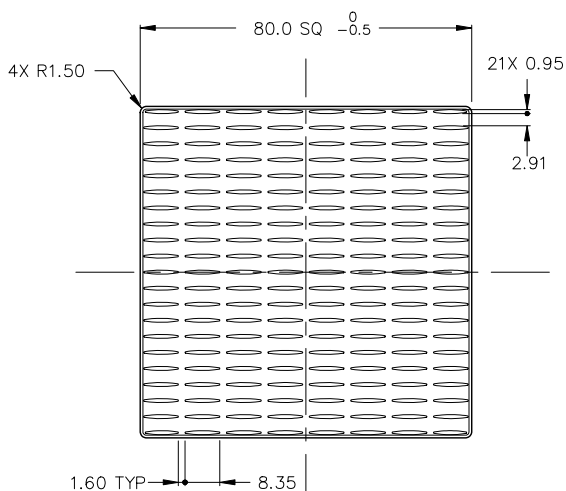


- ▼ MD70-8B
 - ◇ MD70-10B
 - △ MD70-12B
 - MD70-15B
 - MD70-20B
 - MD70-25B
 - ▲ MD70-30B
 - MD70-35B
 - MD70-40B
- DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ———
 PRESSURE DROP - - - -

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



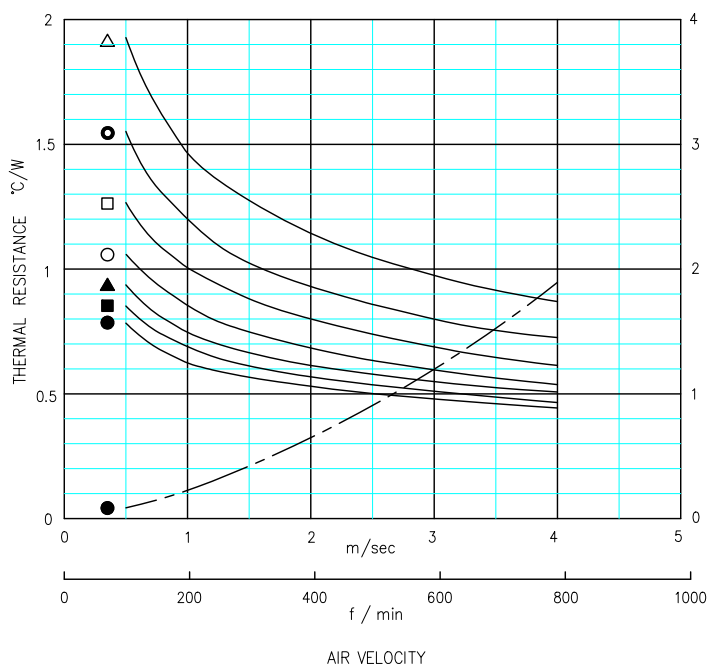
DIM



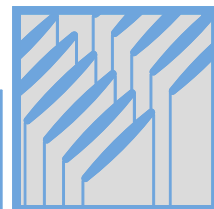
MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD80-12B	12	4.00	90.7
MD80-15B	15	5.00	113.4
MD80-20B	20		127.4
MD80-25B	25		141.3
MD80-30B	30		155.2
MD80-35B	35		169.2
MD80-40B	40		183.1
MD80-[h]B	[h] ≤ 12	4.00	-
	12 < [h] ≤ 40	5.00	-

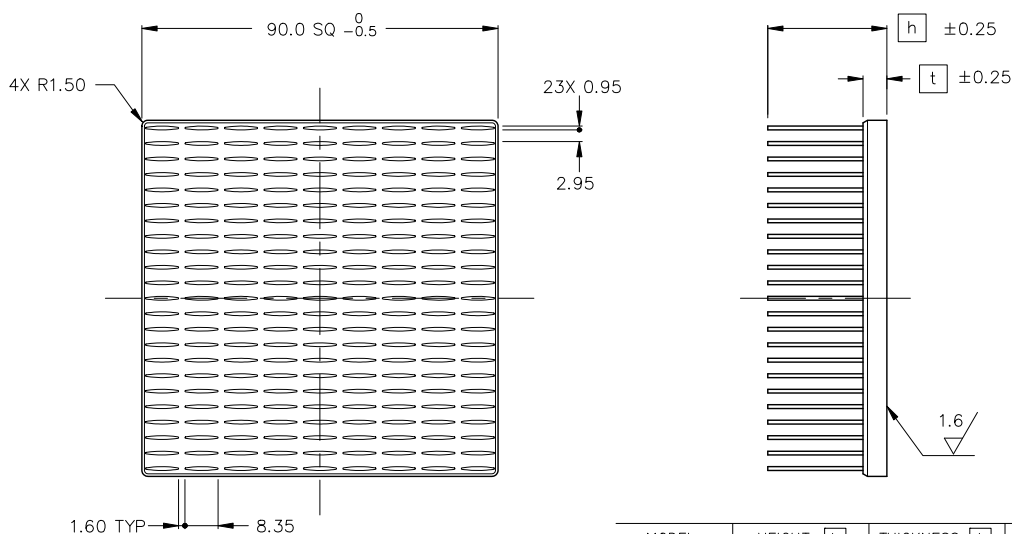
DATA



- △ MD80-12B
 - MD80-15B
 - MD80-20B
 - MD80-25B
 - ▲ MD80-30B
 - MD80-35B
 - MD80-40B
- DUCTED CONDITION
 DUMMY HEATER SIZE: 12.7 SQ
 THERMAL RESISTANCE ———
 PRESURE DROP - - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.



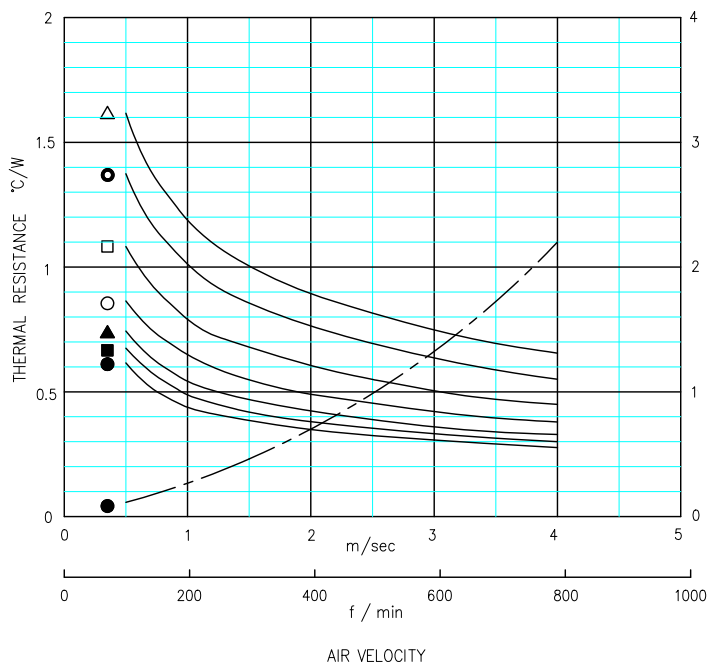
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
MD90-12B	12	4.00	114.0
MD90-15B	15	6.00	160.9
MD90-20B	20		178.0
MD90-25B	25		195.2
MD90-30B	30		212.3
MD90-35B	35		229.4
MD90-40B	40		246.6
MD90-[h]B	[h] ≤ 12	4.00	-
	12 < [h] ≤ 40	6.00	-

DATA

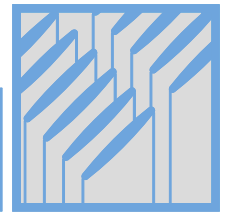


- △ MD90-12B
 - MD90-15B
 - MD90-20B
 - MD90-25B
 - ▲ MD90-30B
 - MD90-35B
 - MD90-40B
- DUCTED CONDITION
 DUMMY HEATER SIZE: 25.4 SQ
 THERMAL RESISTANCE ———
 PRESURE DROP - - -
- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
 REFER TO TECHNICAL INFORMATION.

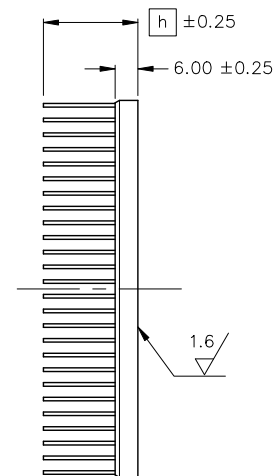
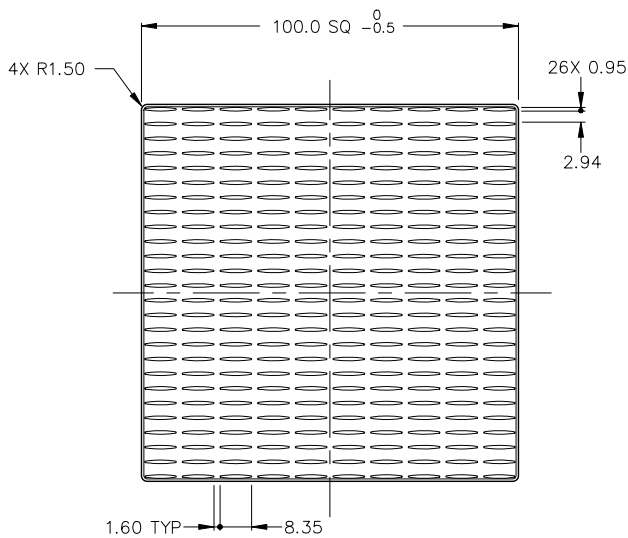
ALPHA

Middle Density Heat Sink

MD100



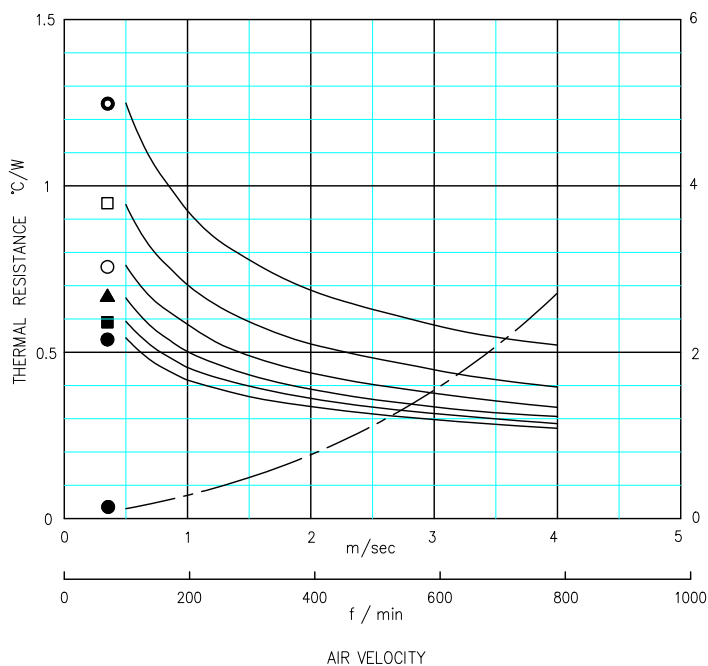
DIM



MATERIAL : A6063
 FINISH : BLACK ANODIZE
 DIMENSIONS : mm

MODEL	HEATSINK HEIGHT [h]	WEIGHT (grams)
MD100-15B	15	199.6
MD100-20B	20	221.1
MD100-25B	25	242.7
MD100-30B	30	264.3
MD100-35B	35	285.8
MD100-40B	40	307.4

DATA



- MD100-15B
- MD100-20B
- MD100-25B
- ▲ MD100-30B
- MD100-35B
- MD100-40B

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

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

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
 PHONE +81(55)966 0789
 FAX +81(55)966 9192
 E mail : alpha@micforg.co.jp
 URL : http://www.micforg.co.jp

Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA
 PHONE +1(408)567-8082
 FAX +1(408)567-8053
 E mail : sales@alphanovatech.com
 URL : http://www.alphanovatech.com