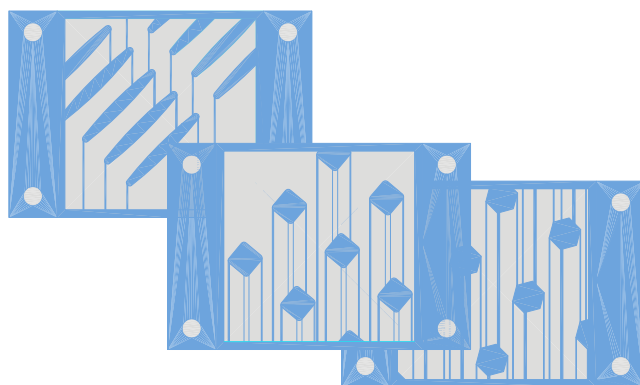




DCC Series

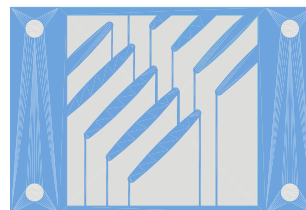
For DC-DC Convertor

1/8 Bricks

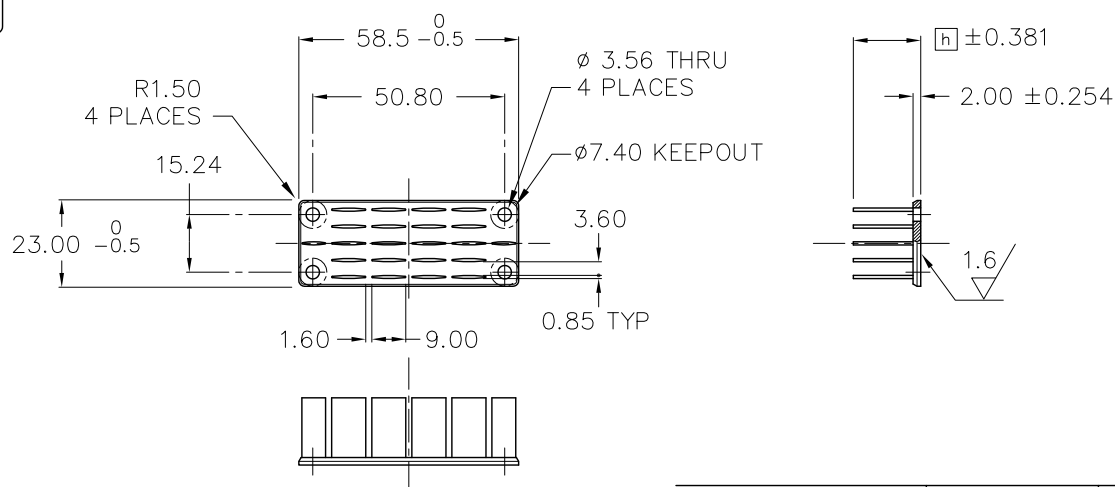
Quarter Bricks

Half Bricks

ALPHA



DIM

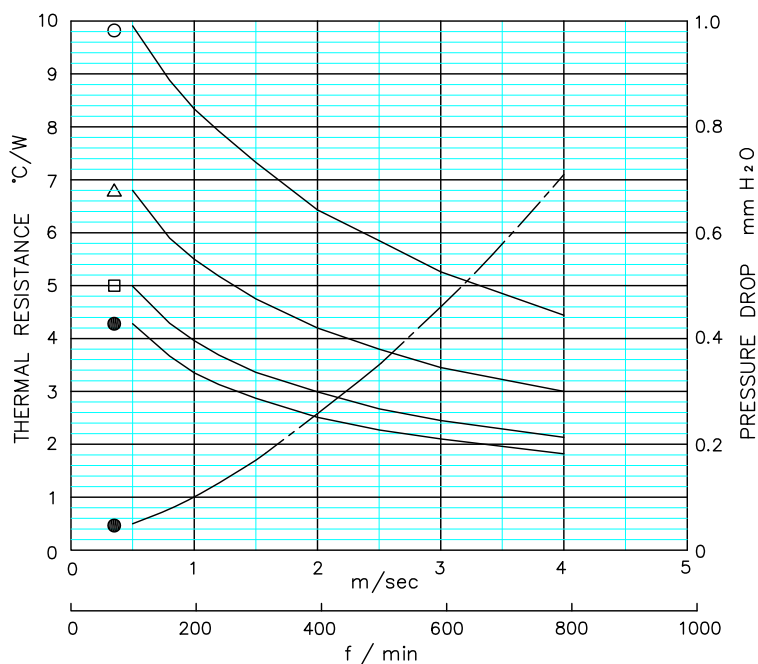


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC2359L-6B	6.10	8.3
DCC2359L-11B	10.80	10.0
DCC2359L-18B	17.80	12.4
DCC2359L-23B	22.80	14.1

Dimensions : mm

DATA



AIR VELOCITY: DUCTED CONDITION

- DCC2359L-6B
- △ DCC2359L-11B
- DCC2359L-18B
- DCC2359L-23B

● DUCTED CONDITION
 THERMAL RESISTANCE _____
 PRESURE DROP _____

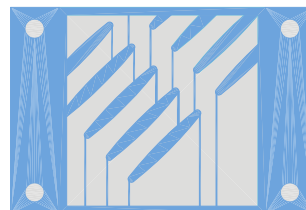
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

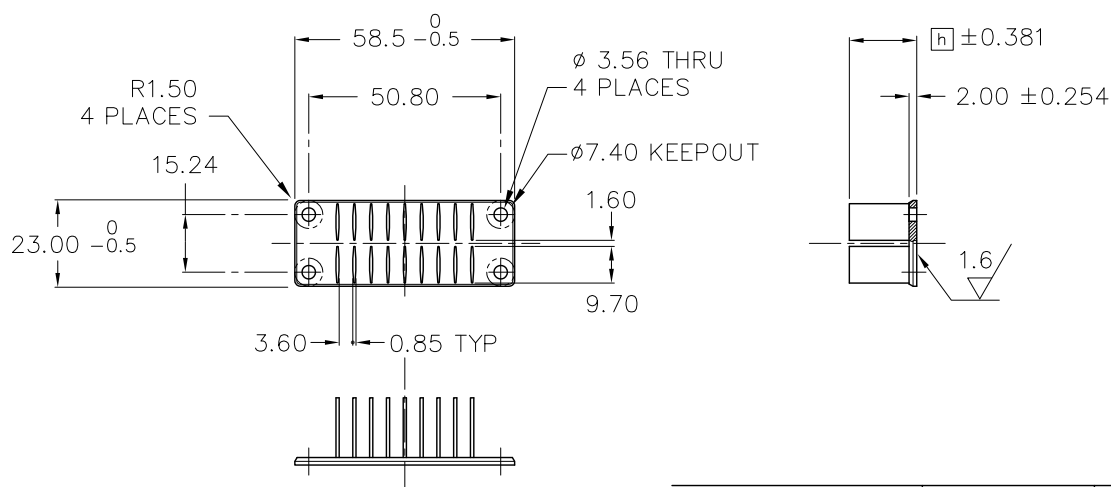
256-1 UEDA,NUMAZU-CITY SHIZUOKA-PREF.,JAPAN
PHONE +81(55)966 0789
FAX +81(55)966 9192
E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

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

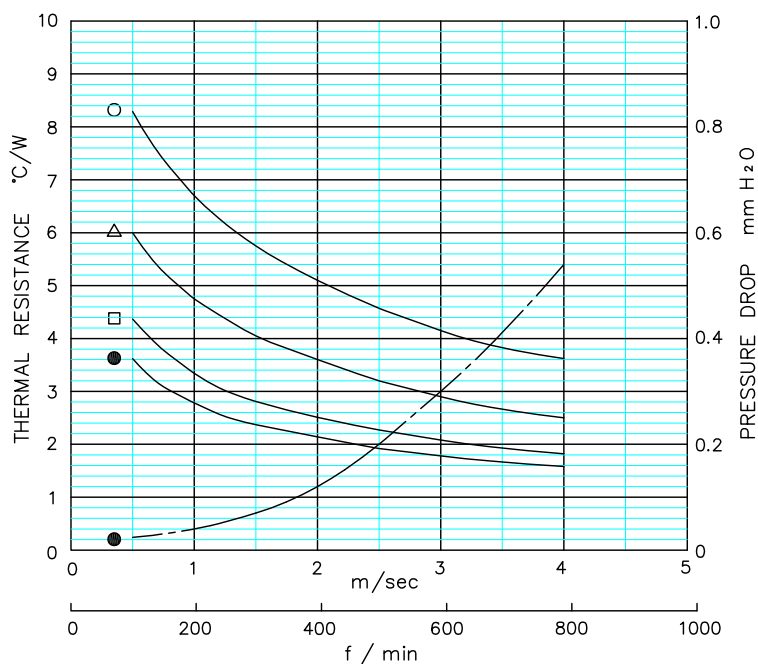


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC5923L-6B	6.10	8.1
DCC5923L-11B	10.80	9.6
DCC5923L-18B	17.80	11.8
DCC5923L-23B	22.80	13.4

Dimensions : mm

DATA



AIR VELOCITY: DUCTED CONDITION

- DCC5923L-6B
- △ DCC5923L-11B
- DCC5923L-18B
- DCC5923L-23B

● DUCTED CONDITION
 THERMAL RESISTANCE _____
 PRESURE 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>

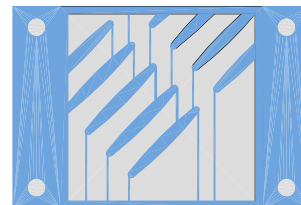
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

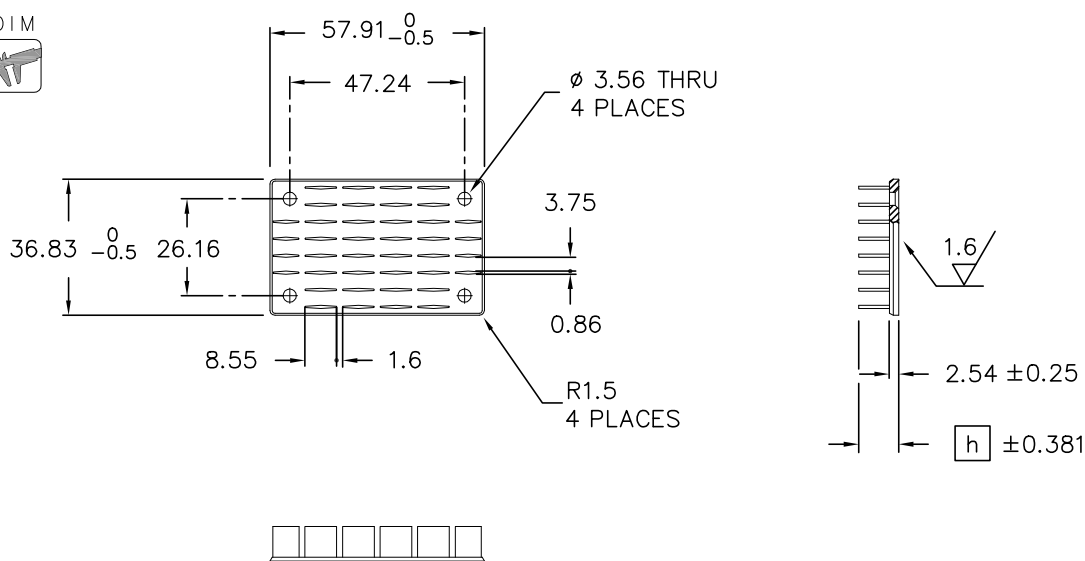
ALPHA

Quarter Bricks
Width 1.45"
Length 2.28"

DCC 3758L



DIM

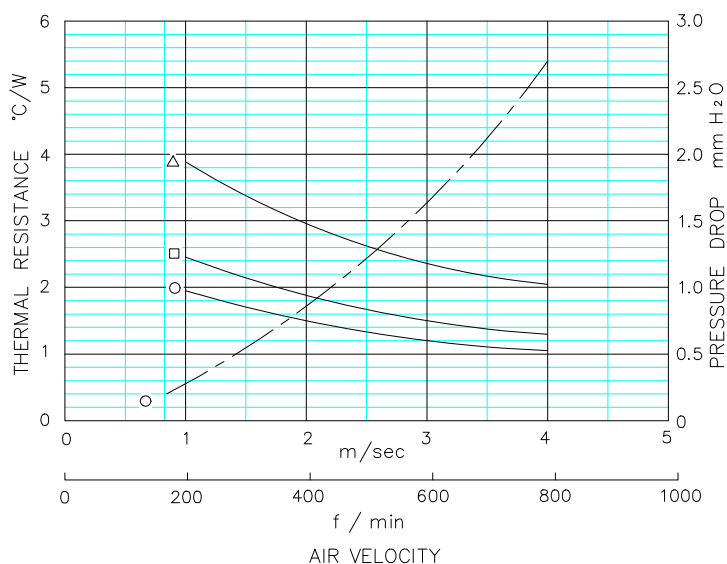


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
DCC3758L-11B	10.8	18.7
DCC3758L-18B	17.8	22.8
DCC3758L-23B	22.8	25.8

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC3758L-11B
- DCC3758L-18B
- DCC3758L-23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 35x56(mm)

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>

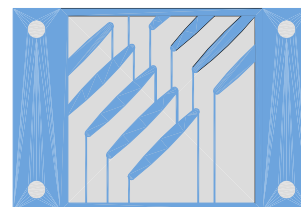
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

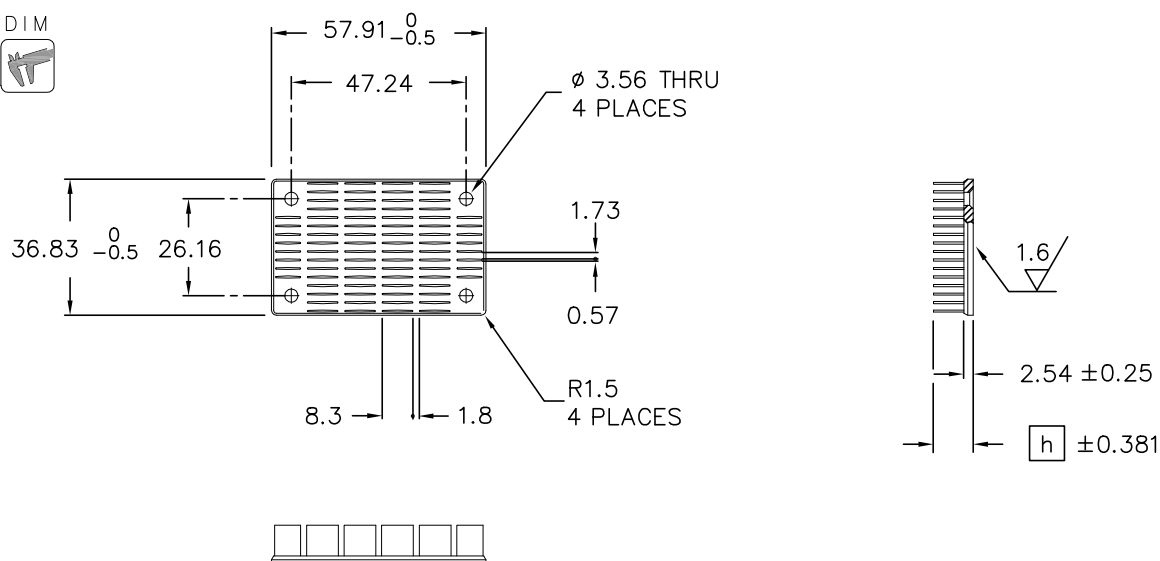
ALPHA

Quarter Bricks
Width 1.45"
Length 2.28"

DCC 3758 U



DIM

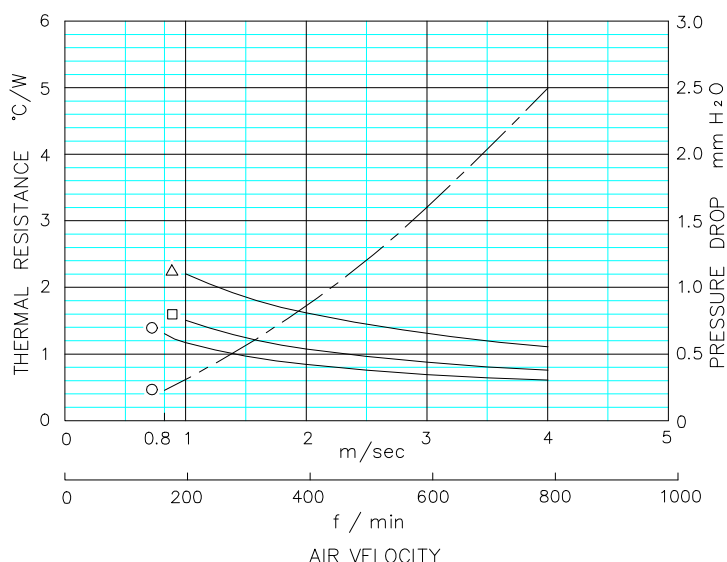


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
DCC3758U-11B	10.8	20.9
DCC3758U-18B	17.8	26.9
DCC3758U-23B	22.8	31.2

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC3758U-11B
- DCC3758U-18B
- DCC3758U-23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 35x56(mm)

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>

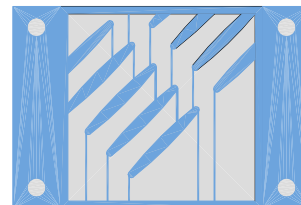
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

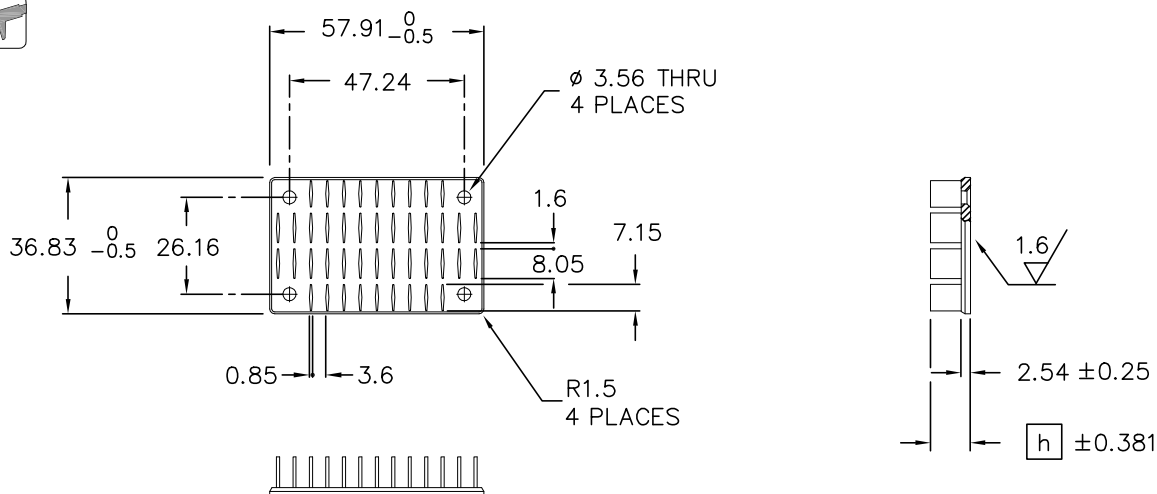
ALPHA

Quarter Bricks
Width 2.28"
Length 1.45"

DCC 5837 L



DIM

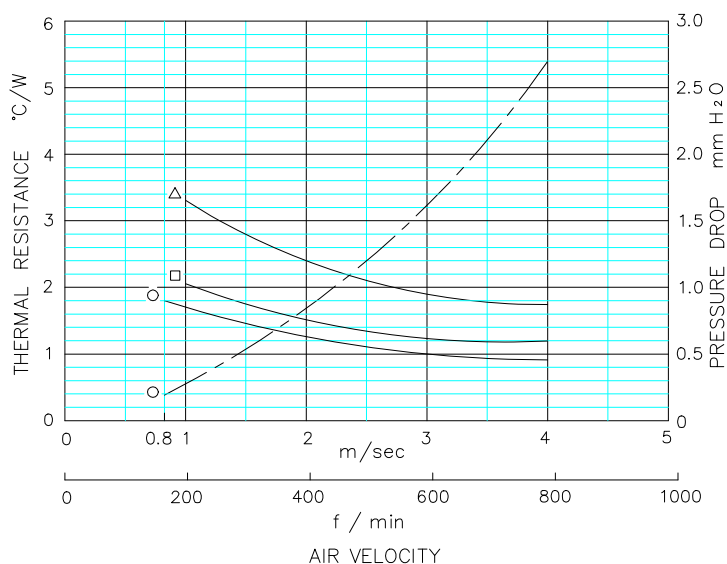


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
DCC5837L-11B	10.8	18.6
DCC5837L-18B	17.8	23.1
DCC5837L-23B	22.8	26.3

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC5837L-11B
- DCC5837L-18B
- DCC5837L-23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 35x56(mm)

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>

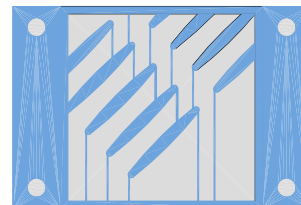
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

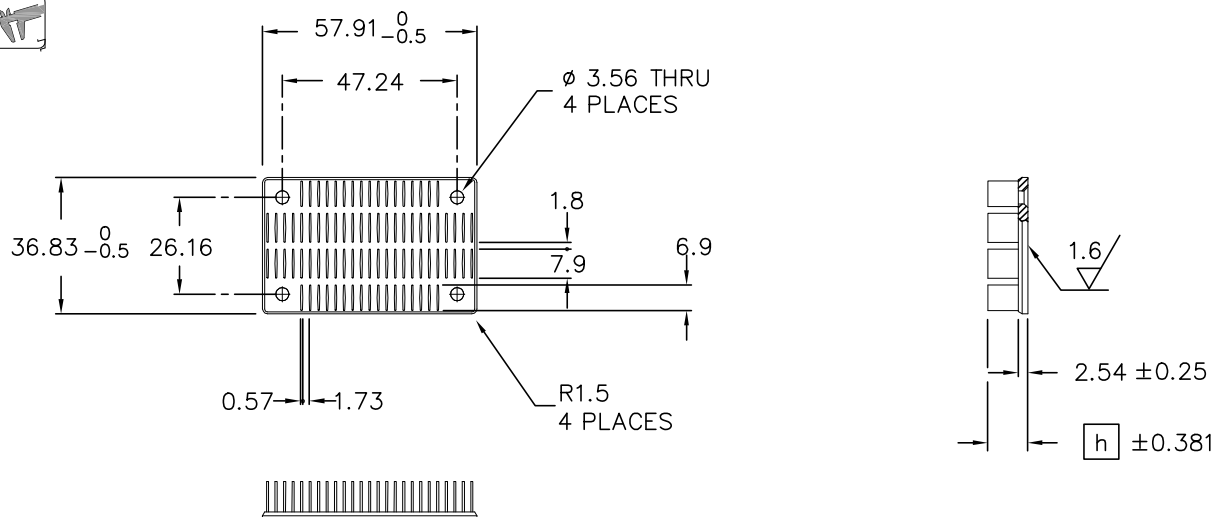
ALPHA

Quarter Bricks
Width 2.28"
Length 1.45"

DCC 5837 U



DIM

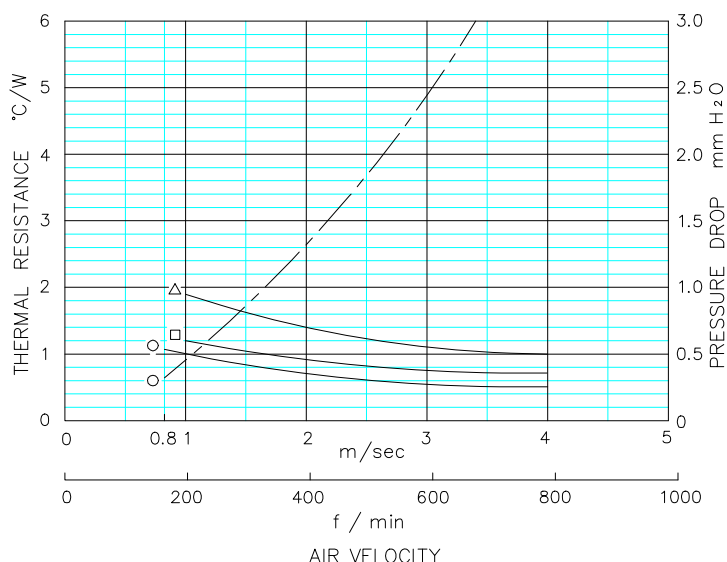


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
DCC5837U-11B	10.8	21.1
DCC5837U-18B	17.8	27.1
DCC5837U-23B	22.8	31.3

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC5837U-11B
- DCC5837U-18B
- DCC5837U-23B

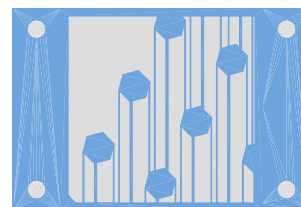
■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 35x56(mm)

Alpha Company Ltd.

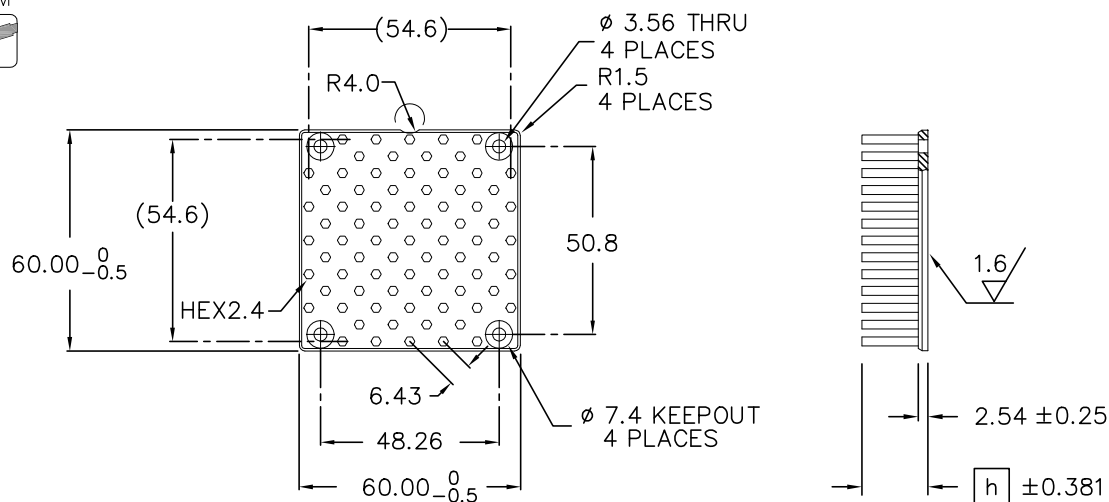
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
PHONE +81(55)966 0789
FAX +81(55)966 9192
E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

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



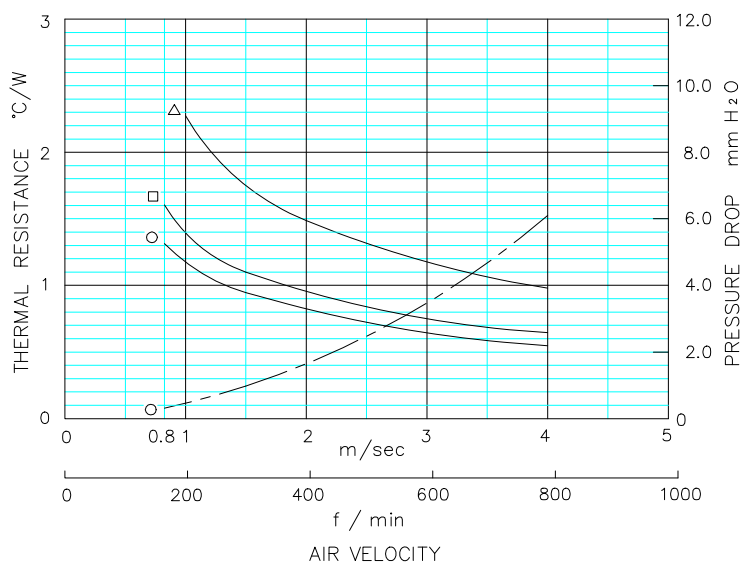
MODEL	HEIGHT h	WEIGHT (grams)
DCC60N-11B	10.8	33.1
DCC60N-18B	17.8	40.5
DCC60N-23B	22.8	45.8

HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

FIN ARRANGEMENT MAY ROTATE 90 DEGREES.

Dimensions : mm

DATA



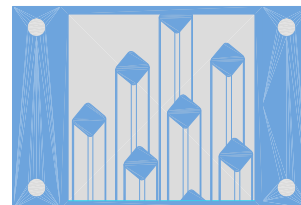
- Thermal Resistance (Ducted)
(Solid Line ———)
- Pressure Drop
(Center Line — — —)
- △ DCC60N-11B
- DCC60N-18B
- DCC60N-23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

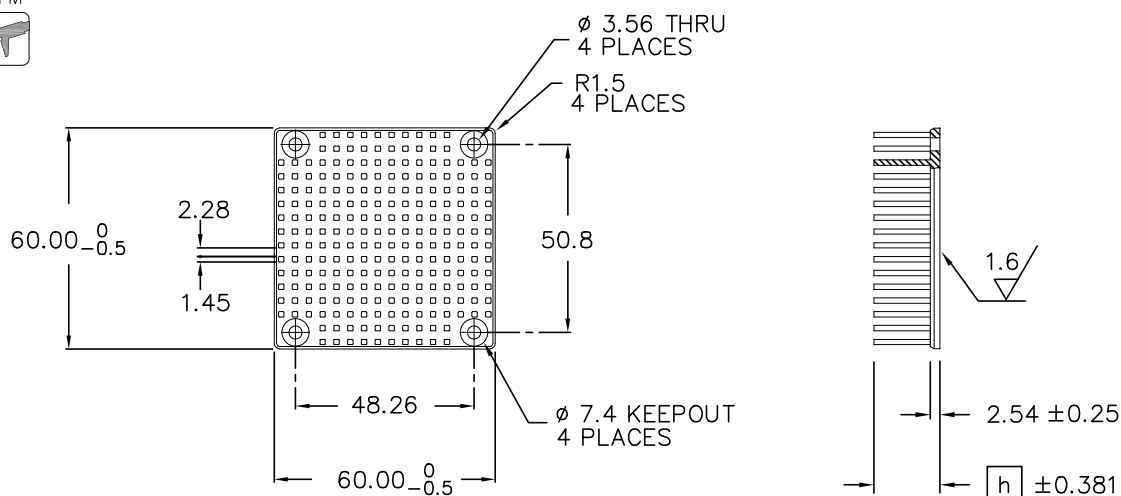
ALPHA

Half Bricks
Width 2.35"
Length 2.35"

DCC 60 S



DIM

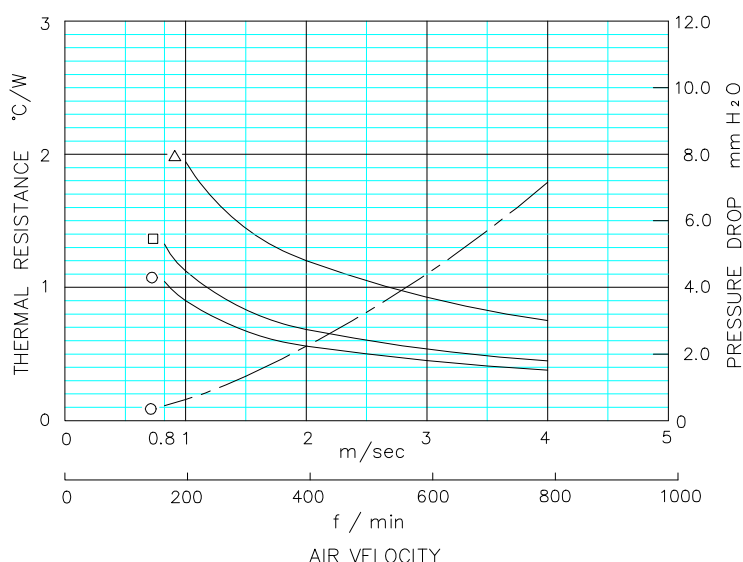


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC60S-11B	10.8	35.2
DCC60S-18B	17.8	44.7
DCC60S-23B	22.8	51.4

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC60S-11B
- DCC60S-18B
- DCC60S-23B

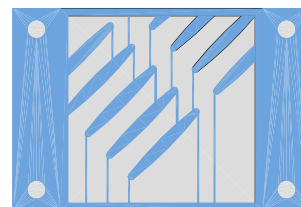
■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

Alpha Company Ltd.

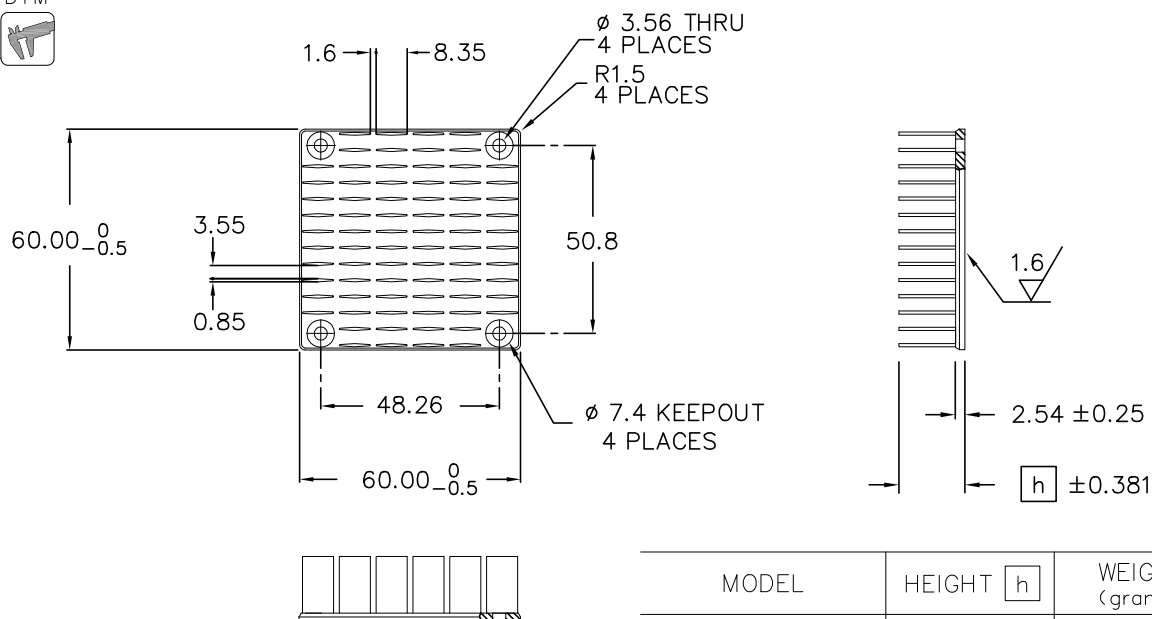
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
PHONE +81(55)966 0789
FAX +81(55)966 9192
E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

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>

ALPHAHalf Bricks
Width 2.35"
Length 2.35"**DCC 60 L - H**

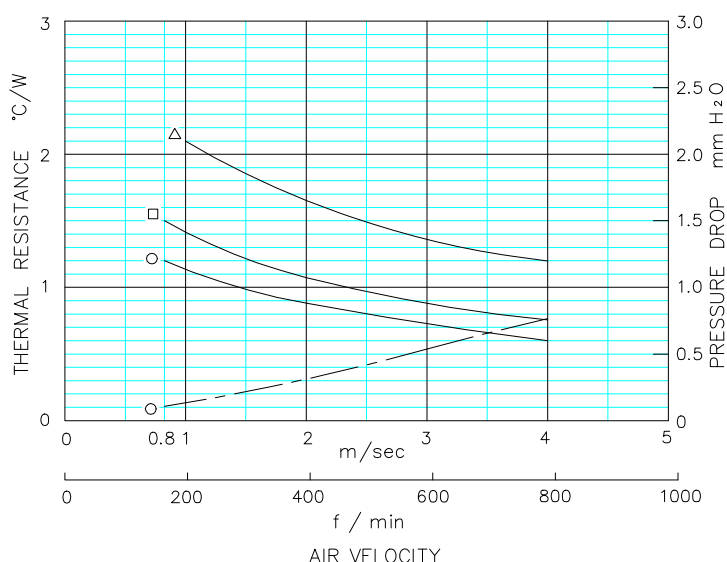
DIM

HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC60L-H11B	10.8	33.6
DCC60L-H18B	17.8	41.4
DCC60L-H23B	22.8	45.4

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC60L-H11B
- DCC60L-H18B
- DCC60L-H23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

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>

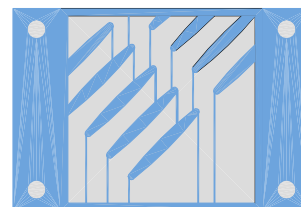
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

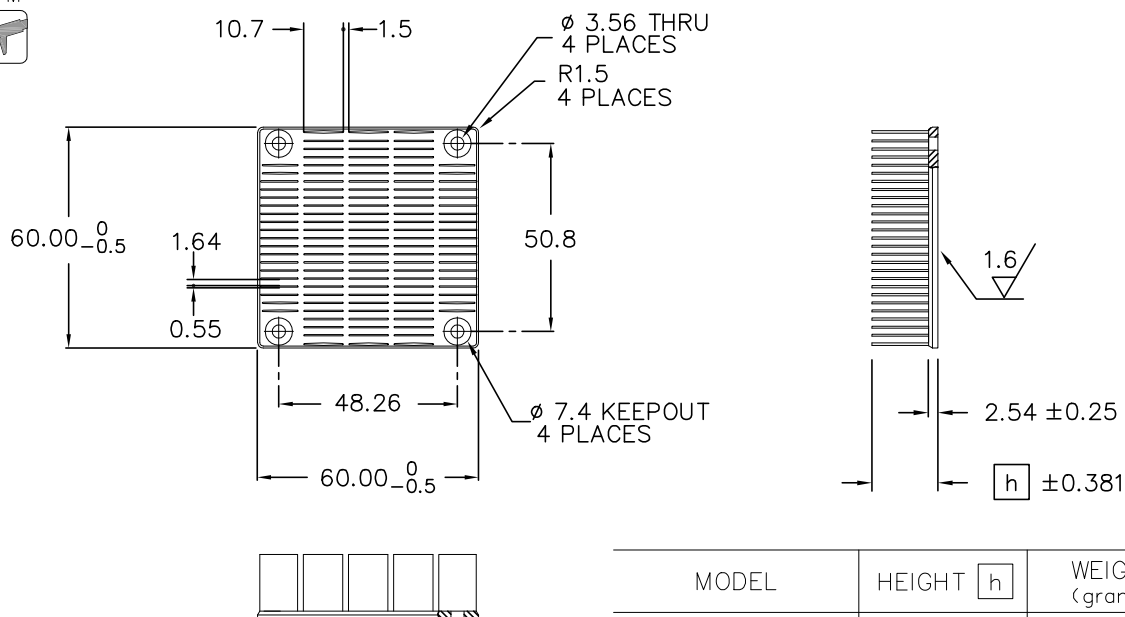
ALPHA

Half Bricks
Width 2.35"
Length 2.35"

DCC60U - H



DIM

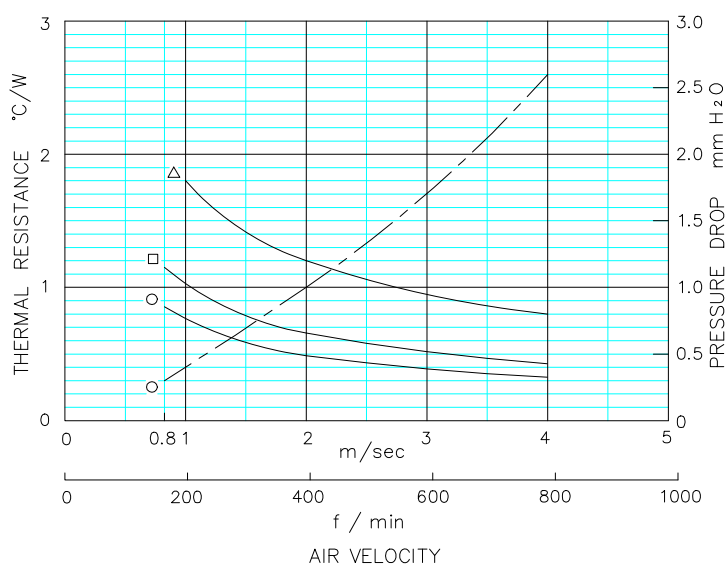


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC60U-H11B	10.8	37.0
DCC60U-H18B	17.8	51.1
DCC60U-H23B	22.8	58.5

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line)
- Pressure Drop
(Center Line)

- Δ DCC60U-H11B
- $\square$ DCC60U-H18B
- $\circ$ DCC60U-H23B

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

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>

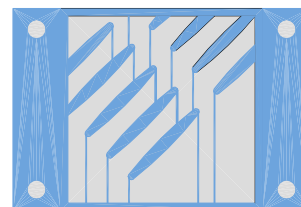
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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>

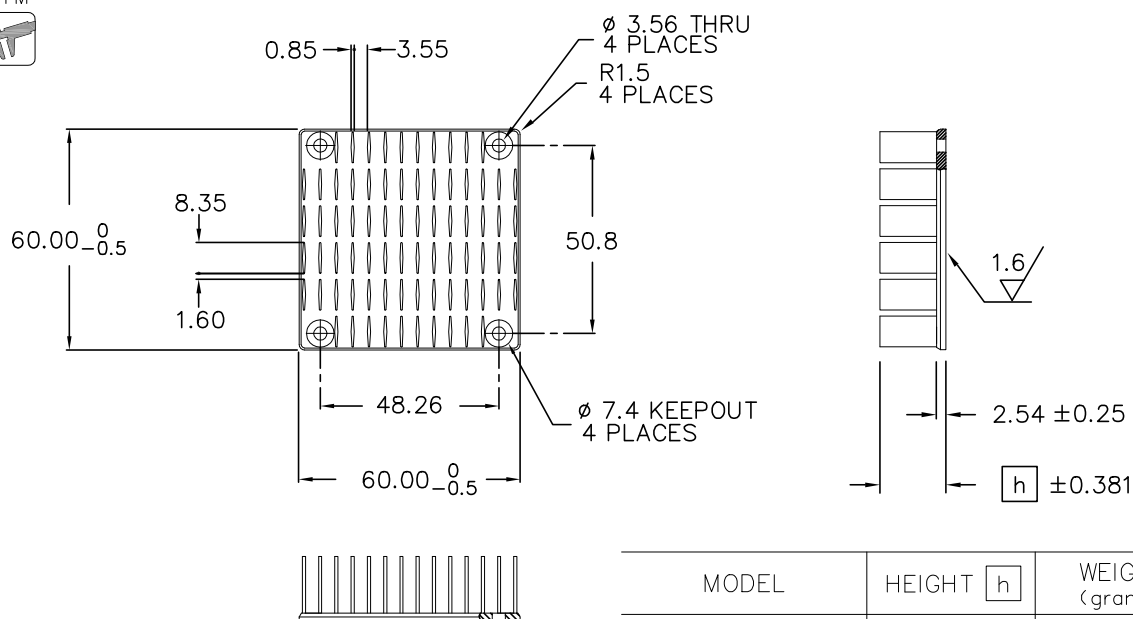
ALPHA

Half Bricks
Width 2.35"
Length 2.35"

DCC60L - V



DIM

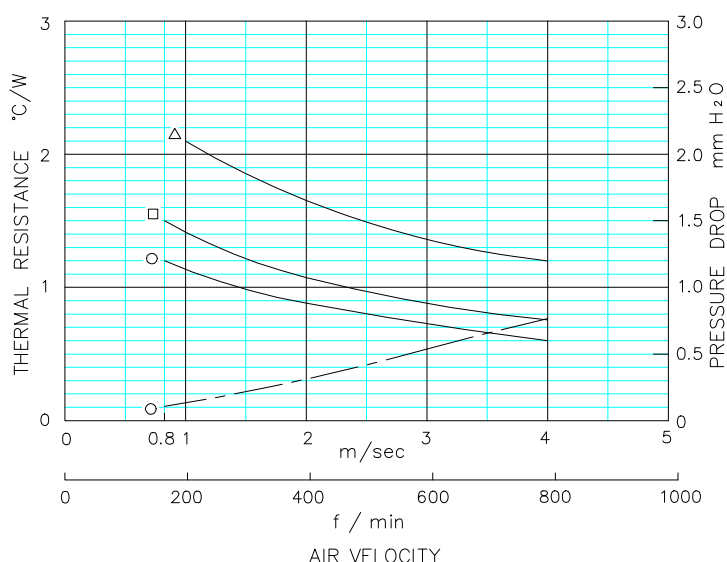


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT [h]	WEIGHT (grams)
DCC60L-V11B	10.8	33.6
DCC60L-V18B	17.8	41.4
DCC60L-V23B	22.8	45.4

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)
- △ DCC60L-V11B
- DCC60L-V18B
- DCC60L-V23B

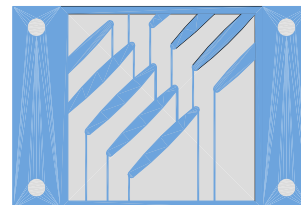
■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

Alpha Company Ltd.

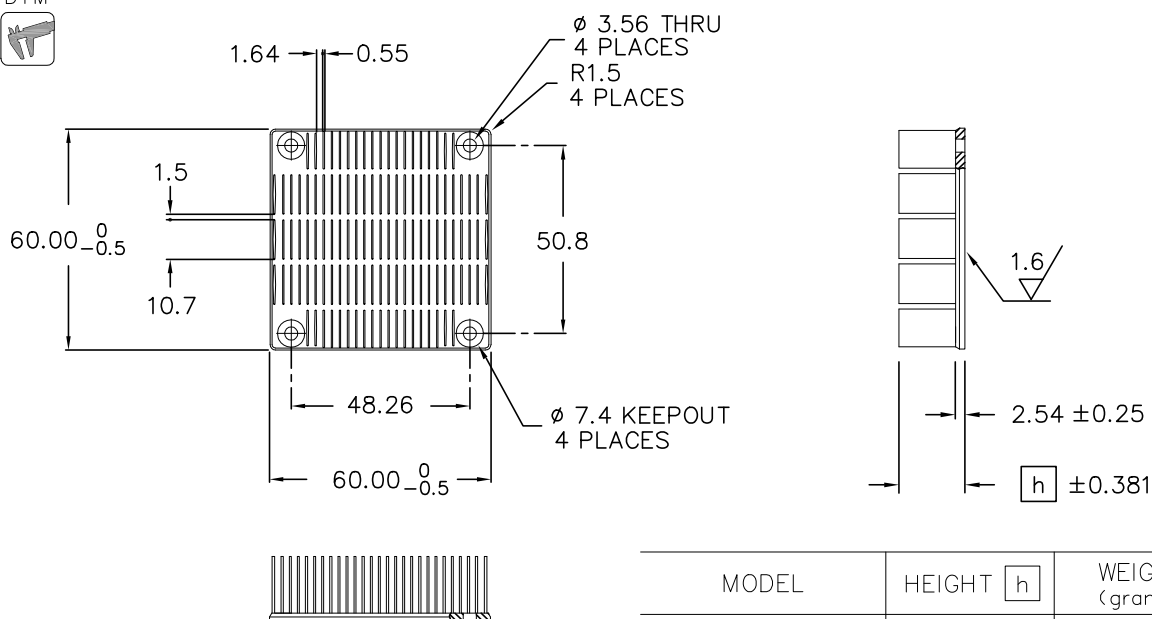
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
PHONE +81(55)966 0789
FAX +81(55)966 9192
E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

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>

ALPHAHalf Bricks
Width 2.35"
Length 2.35"**DCC 60U - V**

DIM

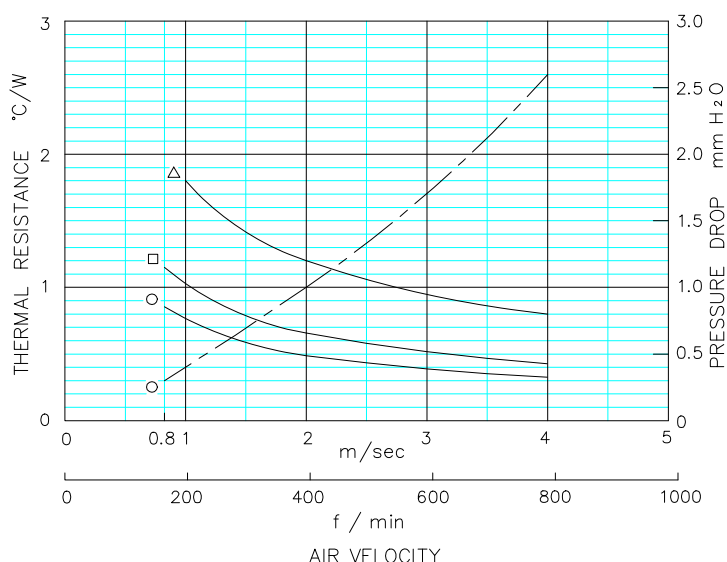


HEAT SINK
MATERIAL : A 6063
FINISH : BLACK ANODIZE

MODEL	HEIGHT h	WEIGHT (grams)
DCC60U-V11B	10.8	37.0
DCC60U-V18B	17.8	51.1
DCC60U-V23B	22.8	58.5

Dimensions : mm

DATA



- Thermal Resistance (Ducted)
(Solid Line —)
- Pressure Drop
(Center Line - - -)

- △ DCC60U-V11B
- DCC60U-V18B
- DCC60U-V23B

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size: 55x58(mm)

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>