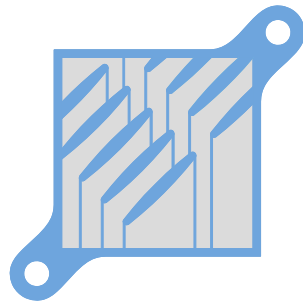




LPDR Series LPDL Series

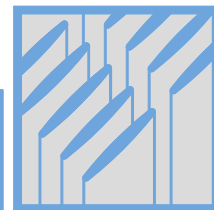
Low Pressure Drop Heat Sink
with Mounting Tabs

ALPHA

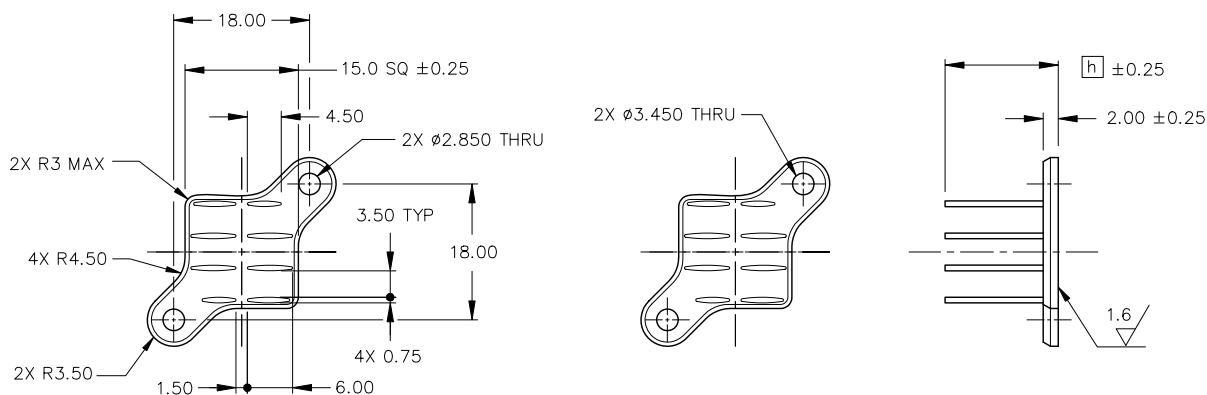
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR15



DIM



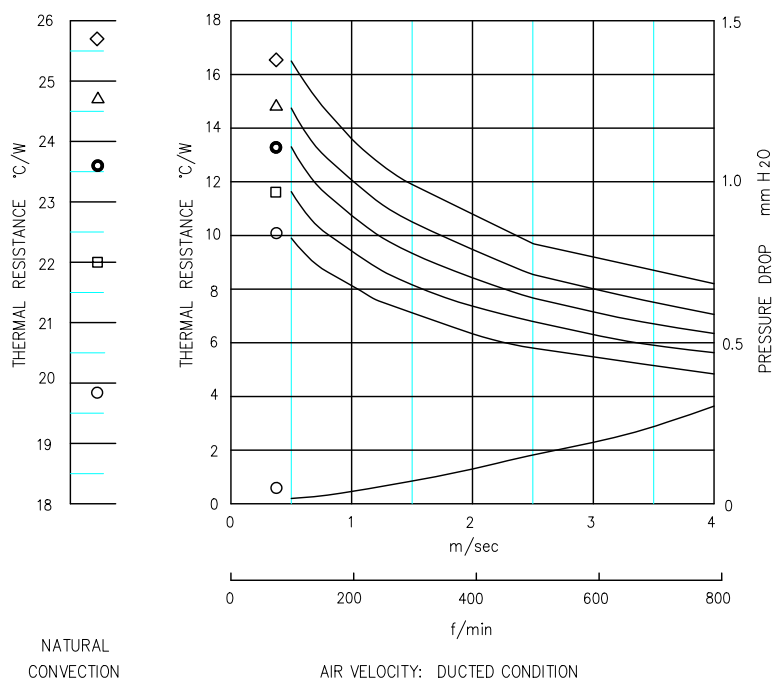
LPDR15-XXBC
FOR $\phi 2.500 \pm 0.05$ PCB HOLES

LPDR15-XXB
FOR $\phi 3.175 \pm 0.05$ PCB HOLES

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

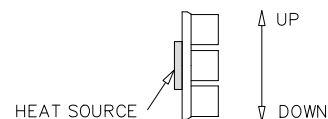
MODEL	HEIGHT [h]	WEIGHT (grams)
LPDR15-8BC, LPDR15-8B	8	2.0
LPDR15-10BC, LPDR15-10B	10	2.2
LPDR15-12BC, LPDR15-12B	12	2.3
LPDR15-15BC, LPDR15-15B	15	2.6
LPDR15-20BC, LPDR15-20B	20	2.9

DATA



- ◇ LPDR15-8BC, LPDR15-8B
- △ LPDR15-10BC, LPDR15-10B
- LPDR15-12BC, LPDR15-12B
- LPDR15-15BC, LPDR15-15B
- LPDR15-20BC, LPDR15-20B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 1.85 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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 : <https://www.micforg.co.jp>

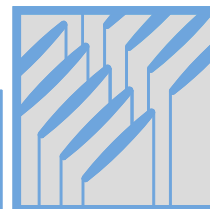
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
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FAX +1(408)567-8053
E mail : sales@alphanovatech.com
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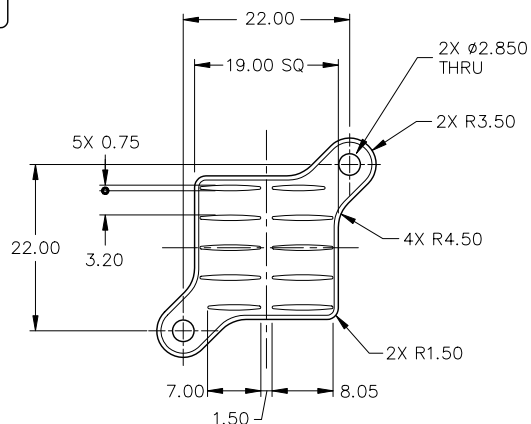
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

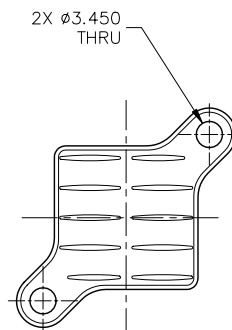
LPDR19



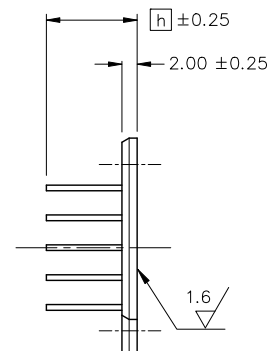
DIM



LPDR19-XXBC
FOR $\varnothing 2.500 \pm 0.05$ PCB HOLES



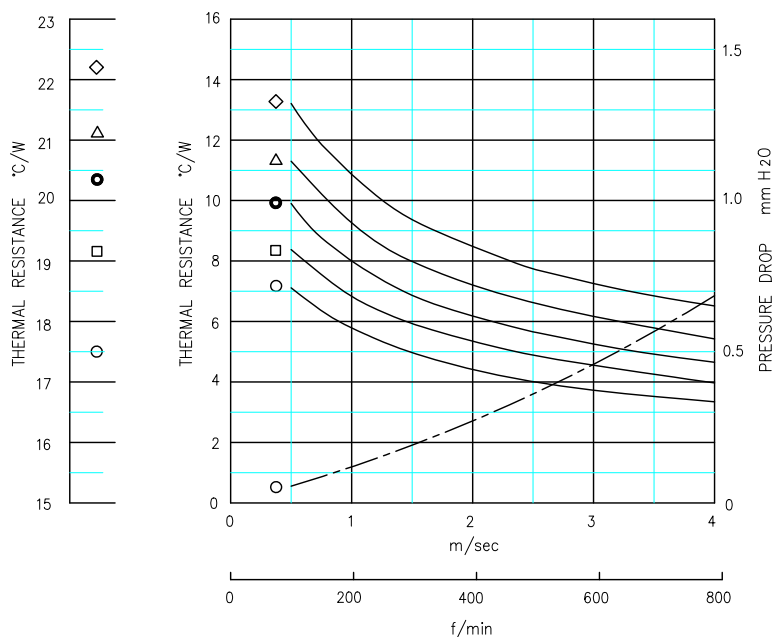
LPDR19-XXB
FOR $\varnothing 3.175 \pm 0.05$ PCB HOLES



MODEL	HEIGHT h	WEIGHT (grams)
LPDR19-8BC, LPDR19-8B	8	3.0
LPDR19-10BC, LPDR19-10B	10	3.2
LPDR19-12BC, LPDR19-12B	12	3.5
LPDR19-15BC, LPDR19-15B	15	3.8
LPDR19-20BC, LPDR19-20B	20	4.4

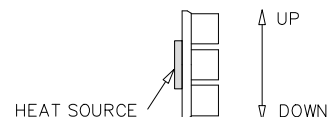
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDR19-8BC, LPDR19-8B
- △ LPDR19-10BC, LPDR19-10B
- LPDR19-12BC, LPDR19-12B
- LPDR19-15BC, LPDR19-15B
- LPDR19-20BC, LPDR19-20B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 2.45 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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REFER TO TECHNICAL INFORMATION.

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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>

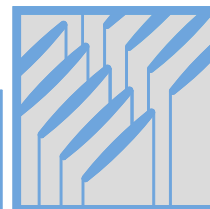
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
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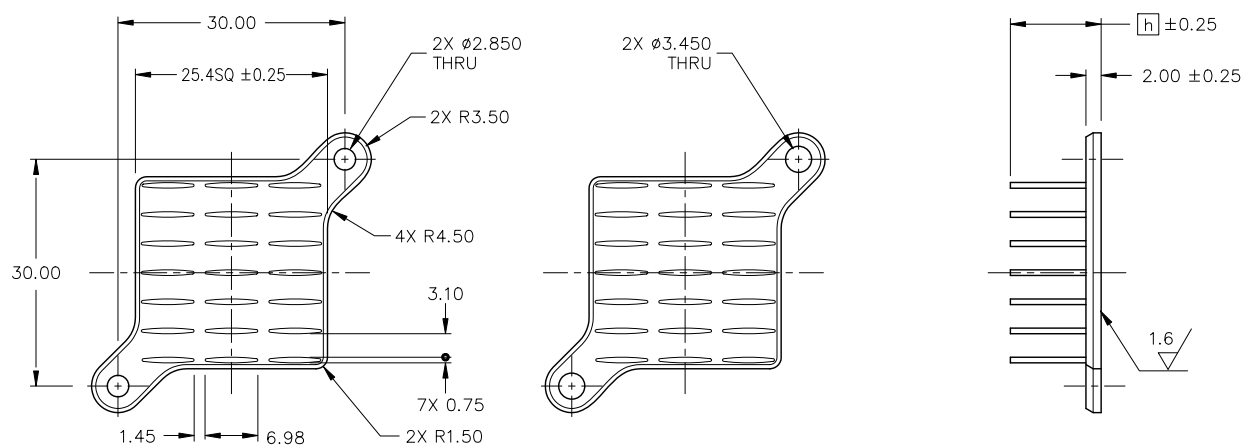
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR25



DIM



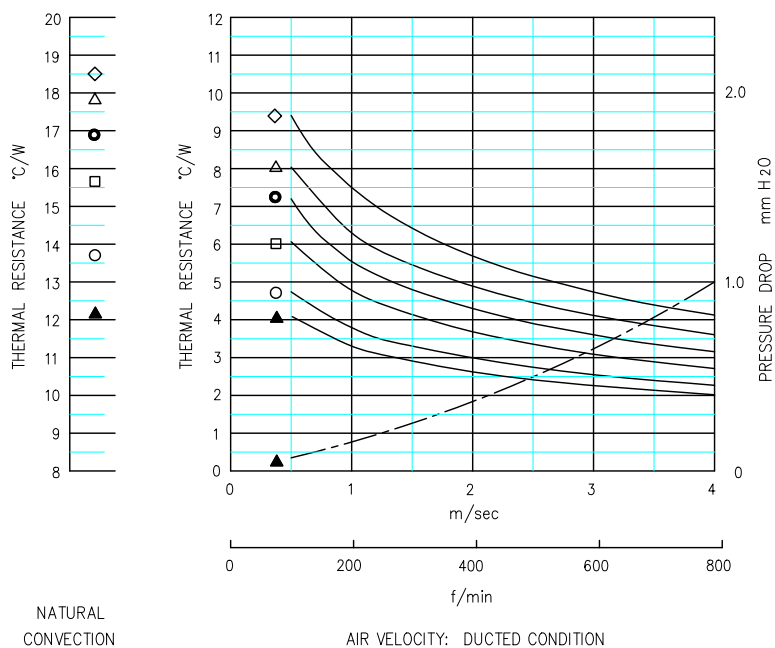
LPDR25-XXBC
FOR Ø2.500 ±0.05 PCB HOLES

LPDR25-XXB
FOR Ø3.175 ±0.05 PCB HOLES

MODEL	HEIGHT [h]	WEIGHT (grams)
LPDR25-8BC, LPDR25-8B	8	5.4
LPDR25-10BC, LPDR25-10B	10	5.8
LPDR25-12BC, LPDR25-12B	12	6.3
LPDR25-15BC, LPDR25-15B	15	7.0
LPDR25-20BC, LPDR25-20B	20	8.2
LPDR25-25BC, LPDR25-25B	25	9.4

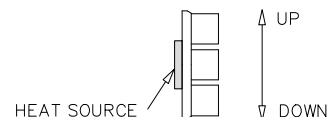
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDR25-8BC, LPDR25-8B
- △ LPDR25-10BC, LPDR25-10B
- LPDR25-12BC, LPDR25-12B
- LPDR25-15BC, LPDR25-15B
- LPDR25-20BC, LPDR25-20B
- ▲ LPDR25-25BC, LPDR25-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 3.15 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

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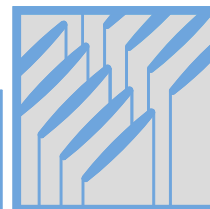
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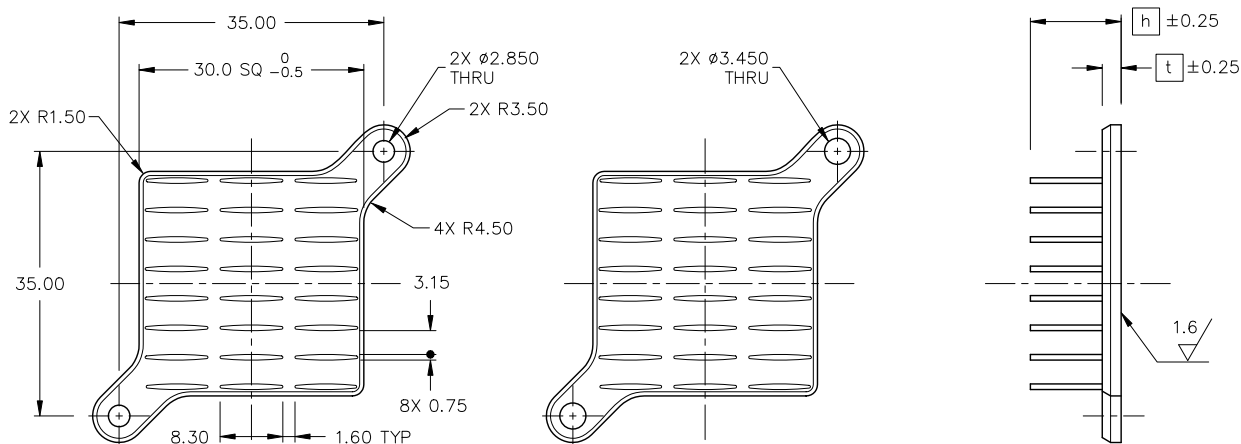
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR30



DIM



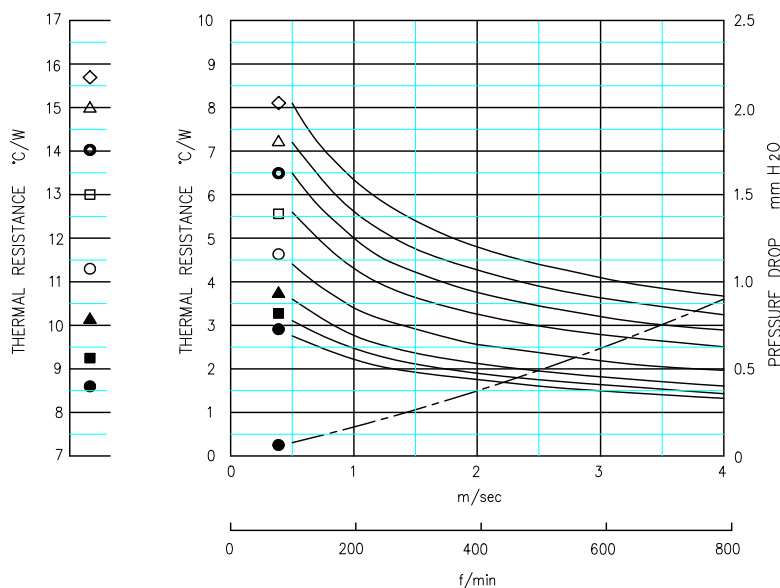
LPDR30-XXBC
FOR $\varnothing 2.500 \pm 0.05$ PCB HOLES

LPDR30-XXB
FOR $\varnothing 3.175 \pm 0.05$ PCB HOLES

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDR30-8BC, LPDR30-8B	8	2.00	7.1
LPDR30-10BC, LPDR30-10B	10	2.50	8.9
LPDR30-12BC, LPDR30-12B	12	2.50	9.7
LPDR30-15BC, LPDR30-15B	15	2.50	10.5
LPDR30-20BC, LPDR30-20B	20	2.50	12.1
LPDR30-25BC, LPDR30-25B	25	2.50	13.7
LPDR30-30BC, LPDR30-30B	30	2.50	15.3
LPDR30-35BC, LPDR30-35B	35	2.50	16.9
LPDR30-[h]BC, LPDR30-[h]B	[h] ≤ 8	2.00	-
	8 < [h]	2.50	-

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

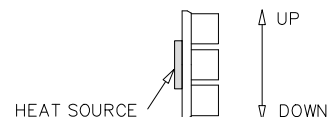
DATA



- ◇ LPDR30-8BC, LPDR30-8B
- △ LPDR30-10BC, LPDR30-10B
- LPDR30-12BC, LPDR30-12B
- LPDR30-15BC, LPDR30-15B
- LPDR30-20BC, LPDR30-20B
- ▲ LPDR30-25BC, LPDR30-25B
- LPDR30-30BC, LPDR30-30B
- LPDR30-35BC, LPDR30-35B

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

● NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 3.9 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

Alpha Company Ltd.

256-1 UEDANUMAZU-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>

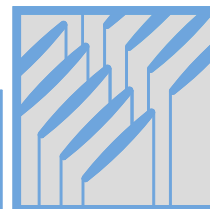
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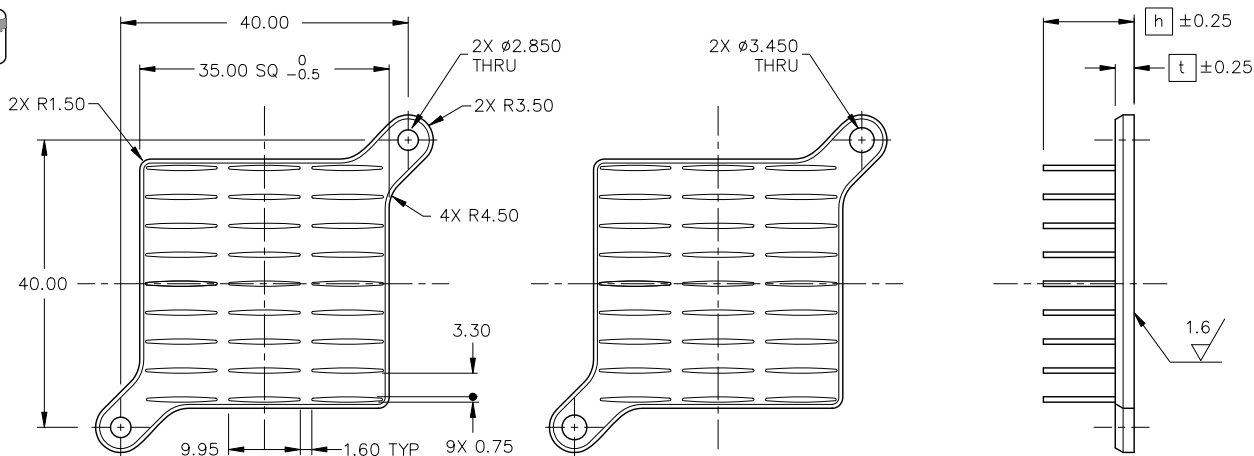
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR35



DIM



LPDR35-XXBC
FOR $\varnothing 2.500 \pm 0.05$ PCB HOLES

LPDR35-XXB
FOR $\varnothing 3.175 \pm 0.05$ PCB HOLES

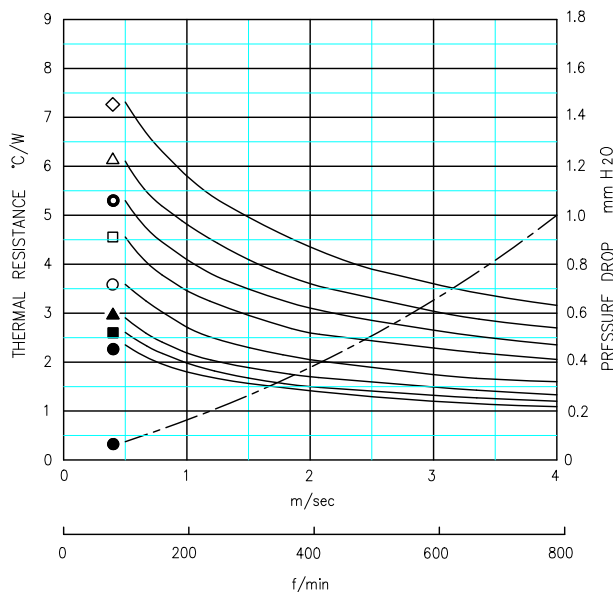
MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
LPDR35-8BC, LPDR35-8B	8	2.00	9.5
LPDR35-10BC, LPDR35-10B	10	3.00	13.5
LPDR35-12BC, LPDR35-12B	12		14.1
LPDR35-15BC, LPDR35-15B	15		15.7
LPDR35-20BC, LPDR35-20B	20		17.9
LPDR35-25BC, LPDR35-25B	25		20.1
LPDR35-30BC, LPDR35-30B	30		22.3
LPDR35-35BC, LPDR35-35B	35		24.5
LPDR35- h BC, LPDR35- h B	$h \leq 8$	2.00	-
	$8 < h$	3.00	-

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



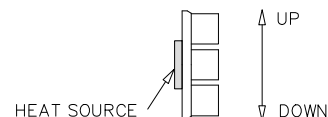
NATURAL
CONVECTION



AIR VELOCITY: DUCTED CONDITION

- ◇ LPDR35-8BC, LPDR35-8B
- △ LPDR35-10BC, LPDR35-10B
- LPDR35-12BC, LPDR35-12B
- LPDR35-15BC, LPDR35-15B
- LPDR35-20BC, LPDR35-20B
- ▲ LPDR35-25BC, LPDR35-25B
- LPDR35-30BC, LPDR35-30B
- LPDR35-35BC, LPDR35-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 4.7 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

- 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>

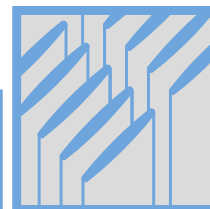
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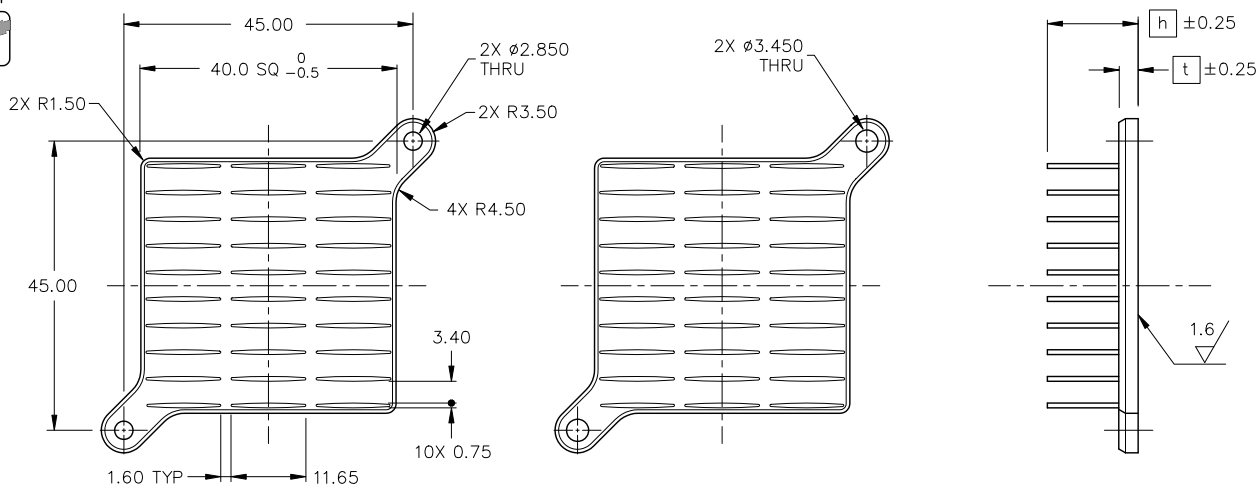
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR 40



DIM



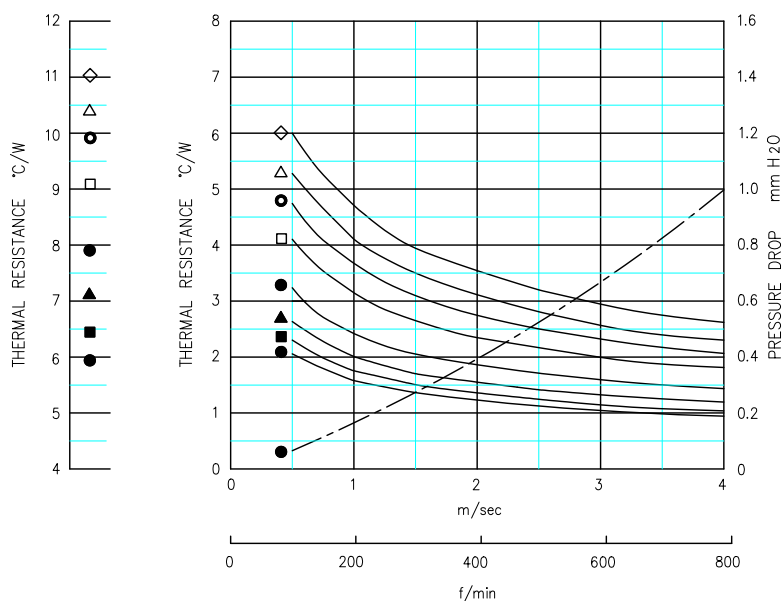
LPDR40-XXBC
FOR $\varnothing 2.500 \pm 0.05$ PCB HOLES

LPDR40-XXB
FOR $\varnothing 3.175 \pm 0.05$ PCB HOLES

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDR40-8BC, LPDR40-8B	8	2.50	14.4
LPDR40-10BC, LPDR40-10B	10	3.00	17.2
LPDR40-12BC, LPDR40-12B	12		18.7
LPDR40-15BC, LPDR40-15B	15		20.0
LPDR40-20BC, LPDR40-20B	20		22.8
LPDR40-25BC, LPDR40-25B	25		25.6
LPDR40-30BC, LPDR40-30B	30		28.4
LPDR40-35BC, LPDR40-35B	35		31.8
LPDR40-[h]BC, LPDR40-[h]B	[h] ≤ 8	2.50	-
	8 < [h]	3.00	-

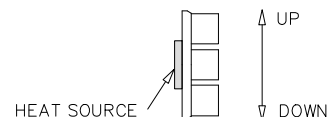
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDR40-8BC, LPDR40-8B
- △ LPDR40-10BC, LPDR40-10B
- LPDR40-12BC, LPDR40-12B
- LPDR40-15BC, LPDR40-15B
- LPDR40-20BC, LPDR40-20B
- ▲ LPDR40-25BC, LPDR40-25B
- LPDR40-30BC, LPDR40-30B
- LPDR40-35BC, LPDR40-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 6.0 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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256-1 UEDANUMAZU-CITY SHIZUOKA-PREF.,JAPAN
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E mail : alpha@micforg.co.jp
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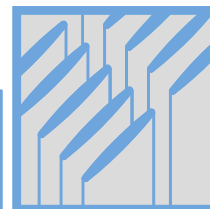
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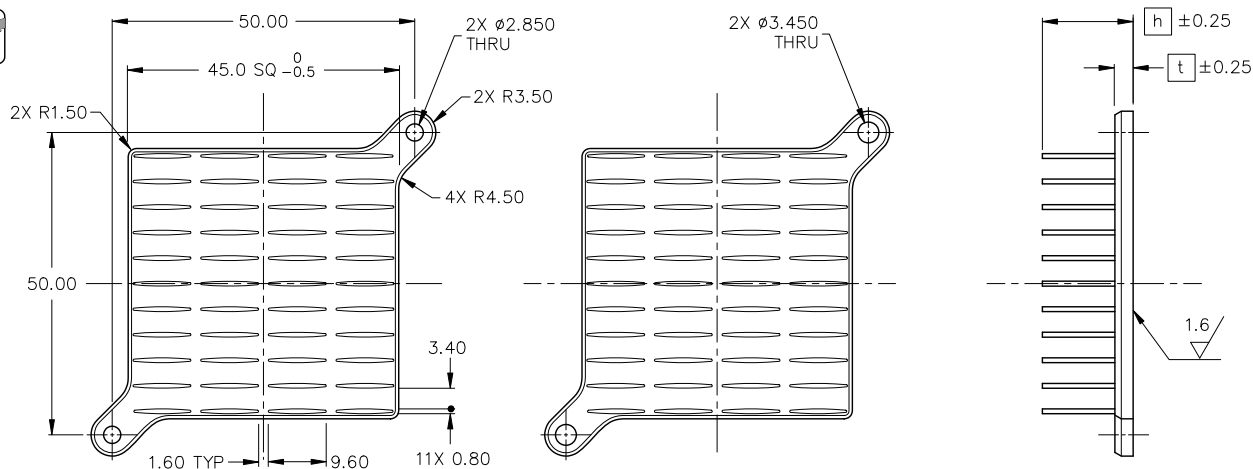
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDR 45



DIM



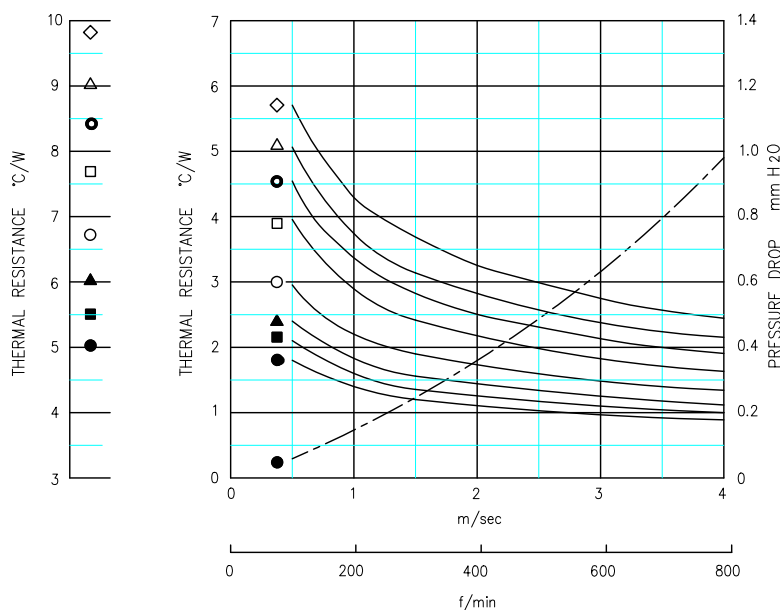
LPDR45-XXBC
FOR $\phi 2.500 \pm 0.05$ PCB HOLES

LPDR45-XXB
FOR $\phi 3.175 \pm 0.05$ PCB HOLES

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDR45-8BC, LPDR45-8B	8	2.50	18.0
LPDR45-10BC, LPDR45-10B	10	3.00	21.9
LPDR45-12BC, LPDR45-12B	12		23.5
LPDR45-15BC, LPDR45-15B	15		25.5
LPDR45-20BC, LPDR45-20B	20		29.2
LPDR45-25BC, LPDR45-25B	25		32.9
LPDR45-30BC, LPDR45-30B	30		36.5
LPDR45-35BC, LPDR45-35B	35		40.2
LPDR45-[h]BC, LPDR45-[h]B	[h] ≤ 8	2.50	-
	8 < [h]	3.00	-

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA

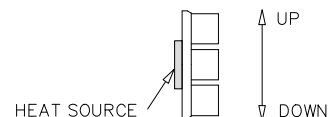


NATURAL
CONVECTION

AIR VELOCITY: DUCTED CONDITION

- ◇ LPDR45-8BC, LPDR45-8B
- △ LPDR45-10BC, LPDR45-10B
- LPDR45-12BC, LPDR45-12B
- LPDR45-15BC, LPDR45-15B
- LPDR45-20BC, LPDR45-20B
- ▲ LPDR45-25BC, LPDR45-25B
- LPDR45-30BC, LPDR45-30B
- LPDR45-35BC, LPDR45-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 7.5 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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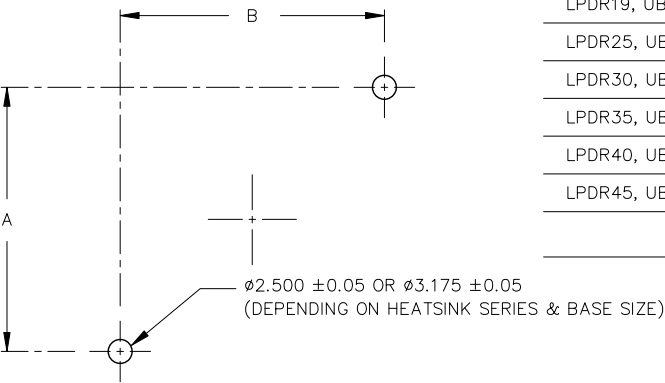
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
PHONE +1(408)567-8082
FAX +1(408)567-8053
E mail : sales@alphanovatech.com
URL : <http://www.alphanovatech.com>

REF



PCB HOLE LAYOUT



LPDR15 AND UBR15	18.0	18.0
LPDR19, UBR19 AND SR19	22.0	22.0
LPDR25, UBR25, NR25 AND SR25	30.0	30.0
LPDR30, UBR30, NR30 AND SR30	35.0	35.0
LPDR35, UBR35, NR35 AND SR35	40.0	40.0
LPDR40, UBR40, NR40 AND SR40	45.0	45.0
LPDR45, UBR45 AND NR45	50.0	50.0
MODEL	A	B

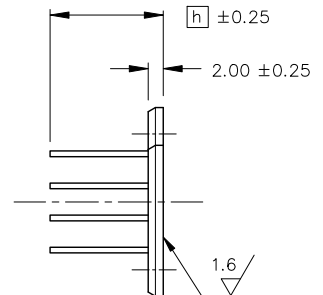
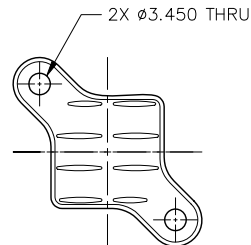
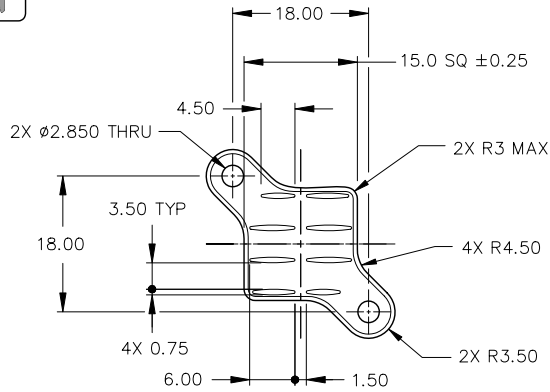
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDL 15



DIM



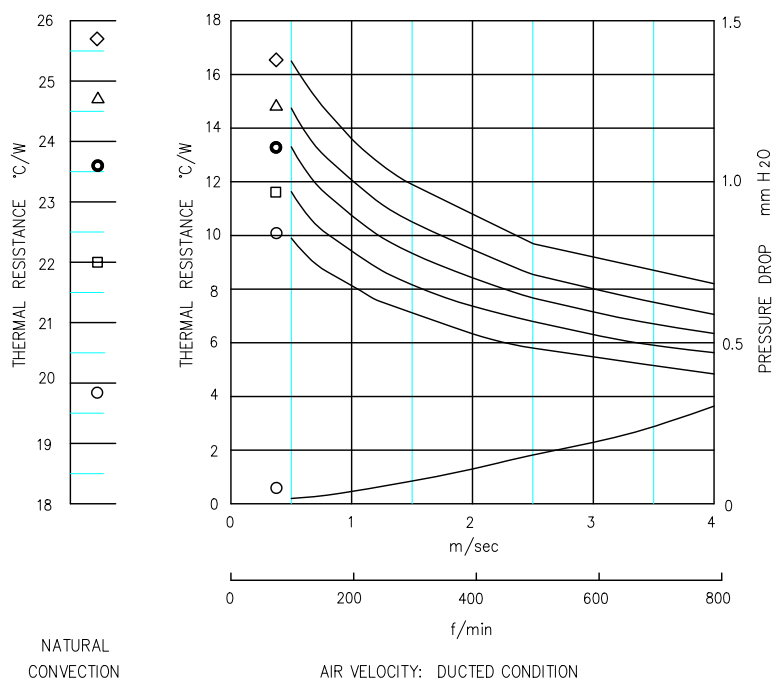
LPDL15-XXBC
FOR Ø2.500 ±0.05 PCB HOLES

LPDL15-XXB
FOR Ø3.175 ±0.05 PCB HOLES

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	WEIGHT (grams)
LPDL15-8BC, LPDL15-8B	8	2.0
LPDL15-10BC, LPDL15-10B	10	2.2
LPDL15-12BC, LPDL15-12B	12	2.3
LPDL15-15BC, LPDL15-15B	15	2.6
LPDL15-20BC, LPDL15-20B	20	2.9

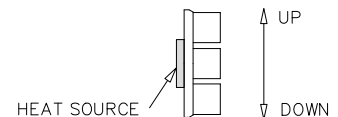
DATA



- ◇ LPDL15-8BC, LPDL15-8B
- △ LPDL15-10BC, LPDL15-10B
- LPDL15-12BC, LPDL15-12B
- LPDL15-15BC, LPDL15-15B
- LPDL15-20BC, LPDL15-20B

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

● NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 1.85 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

■ 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 : <https://www.micforg.co.jp>

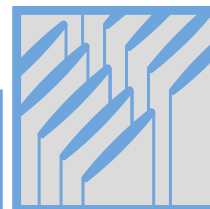
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
PHONE +1(408)567-8082
FAX +1(408)567-8053
E mail : sales@alphanovatech.com
URL : <https://www.alphanovatech.com>

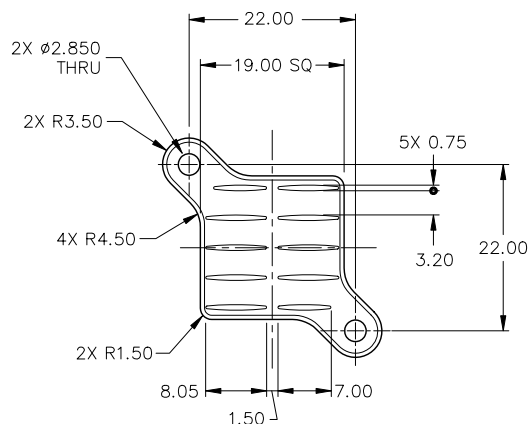
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

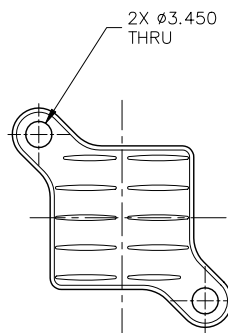
LPDL 19



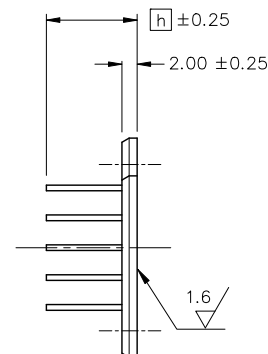
DIM



LPDL19-XXBC
FOR Ø2.500 ±0.05 PCB HOLES



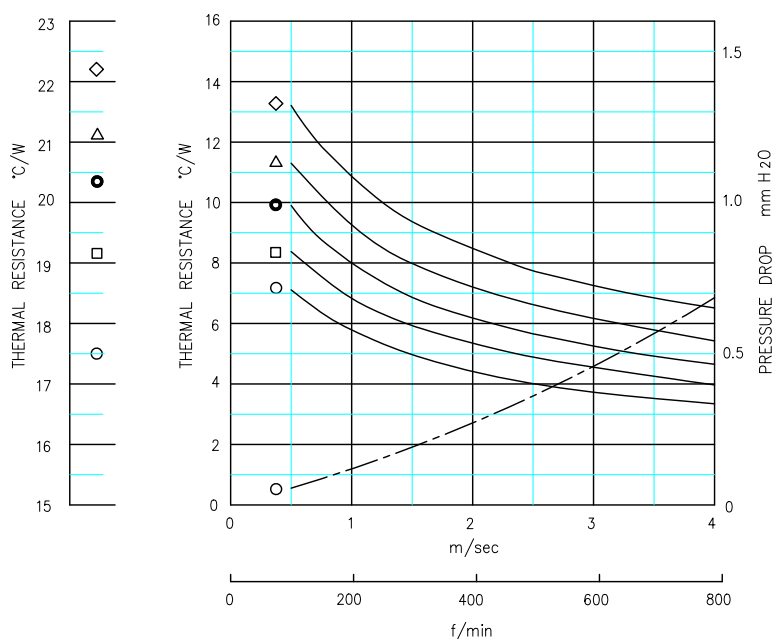
LPDL19-XXB
FOR Ø3.175 ±0.05 PCB HOLES



MODEL	HEIGHT h	WEIGHT (grams)
LPDL19-8BC, LPDL19-8B	8	3.0
LPDL19-10BC, LPDL19-10B	10	3.2
LPDL19-12BC, LPDL19-12B	12	3.5
LPDL19-15BC, LPDL19-15B	15	3.8
LPDL19-20BC, LPDL19-20B	20	4.4

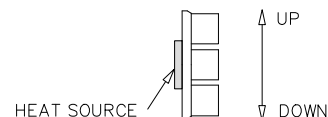
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDL19-8BC, LPDL19-8B
- △ LPDL19-10BC, LPDL19-10B
- LPDL19-12BC, LPDL19-12B
- LPDL19-15BC, LPDL19-15B
- LPDL19-20BC, LPDL19-20B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 2.45 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

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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>

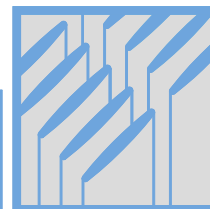
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
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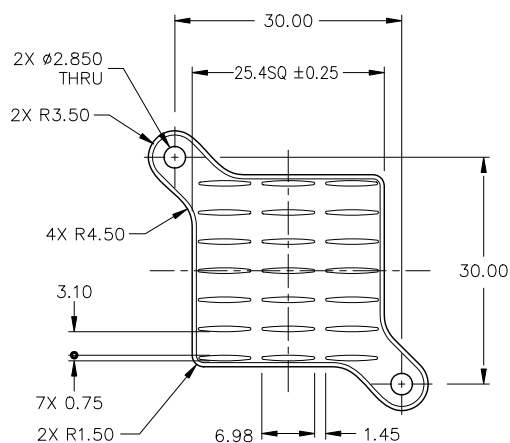
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

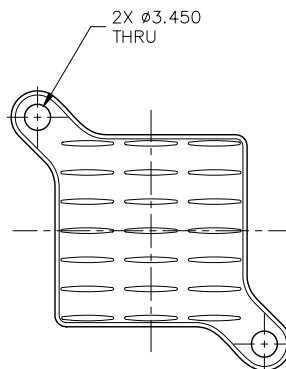
LPDL 25



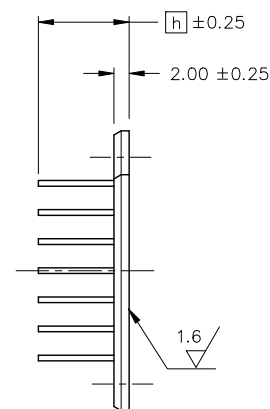
DIM



LPDL25-XXBC
FOR Ø2.500 ±0.05 PCB HOLES



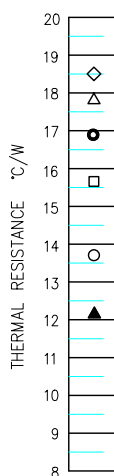
LPDL25-XXB
FOR Ø3.175 ±0.05 PCB HOLES



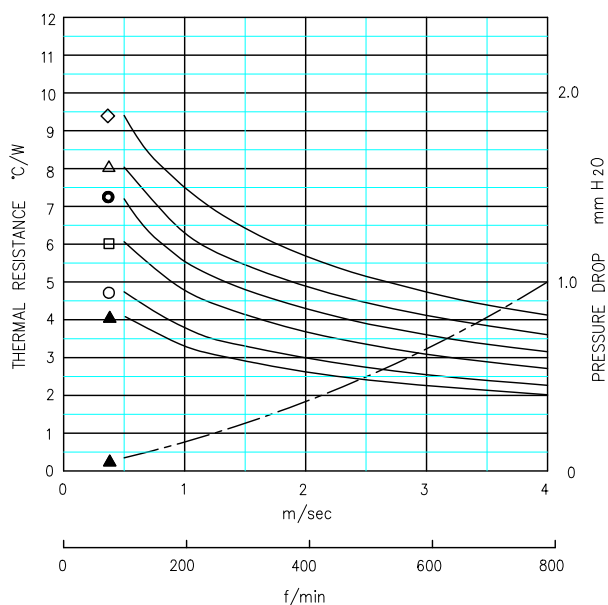
MODEL	HEIGHT [h]	WEIGHT (grams)
LPDL25-8BC, LPDL25-8B	8	5.4
LPDL25-10BC, LPDL25-10B	10	5.8
LPDL25-12BC, LPDL25-12B	12	6.3
LPDL25-15BC, LPDL25-15B	15	7.0
LPDL25-20BC, LPDL25-20B	20	8.2
LPDL25-25BC, LPDL25-25B	25	9.4

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



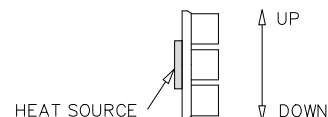
NATURAL
CONVECTION



AIR VELOCITY: DUCTED CONDITION

- ◇ LPDL25-8BC, LPDL25-8B
- △ LPDL25-10BC, LPDL25-10B
- LPDL25-12BC, LPDL25-12B
- LPDL25-15BC, LPDL25-15B
- LPDL25-20BC, LPDL25-20B
- ▲ LPDL25-25BC, LPDL25-25B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 3.15 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

- BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
PHONE +81(55)966 0789
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URL : <http://www.micforg.co.jp>

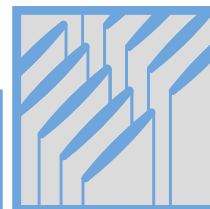
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
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FAX +1(408)567-8053
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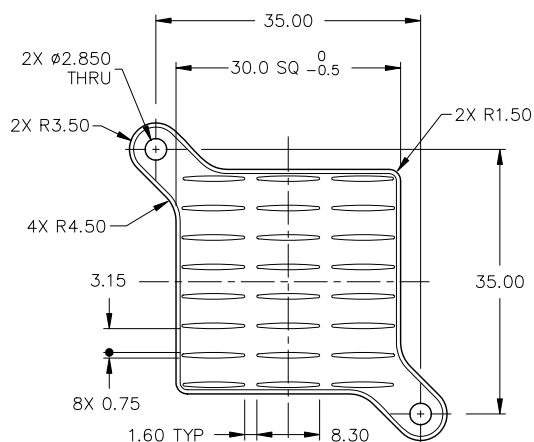
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

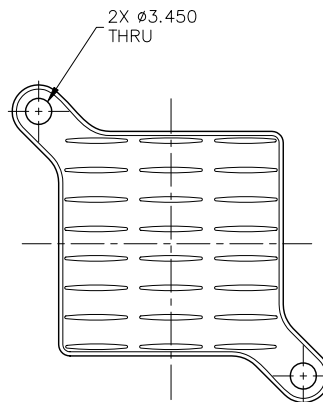
LPDL 30



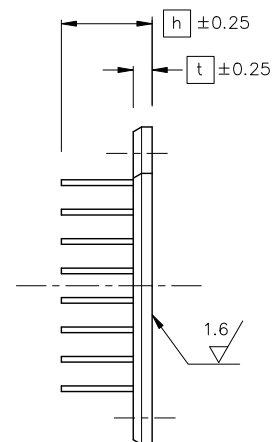
DIM



LPDL30-XXBC
FOR Ø2.500 ±0.05 PCB HOLES



LPDL30-XXB
FOR Ø3.175 ±0.05 PCB HOLES



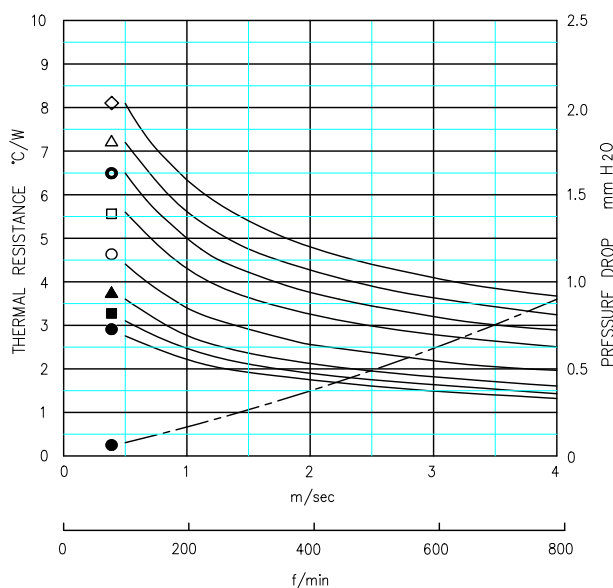
MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDL30-8BC, LPDL30-8B	8	2.00	7.1
LPDL30-10BC, LPDL30-10B	10	2.50	8.9
LPDL30-12BC, LPDL30-12B	12		9.7
LPDL30-15BC, LPDL30-15B	15		10.5
LPDL30-20BC, LPDL30-20B	20		12.1
LPDL30-25BC, LPDL30-25B	25		13.7
LPDL30-30BC, LPDL30-30B	30		15.3
LPDL30-35BC, LPDL30-35B	35		16.9
LPDL30-[h]BC, LPDL30-[h]B	[h] ≤ 8	2.00	-
	8 < [h]	2.50	-

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



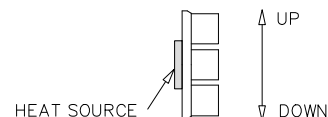
NATURAL
CONVECTION



AIR VELOCITY: DUCTED CONDITION

- ◇ LPDL30-8BC, LPDL30-8B
- △ LPDL30-10BC, LPDL30-10B
- LPDL30-12BC, LPDL30-12B
- LPDL30-15BC, LPDL30-15B
- LPDL30-20BC, LPDL30-20B
- ▲ LPDL30-25BC, LPDL30-25B
- LPDL30-30BC, LPDL30-30B
- LPDL30-35BC, LPDL30-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 3.9 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

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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>

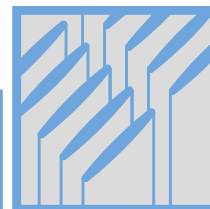
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA
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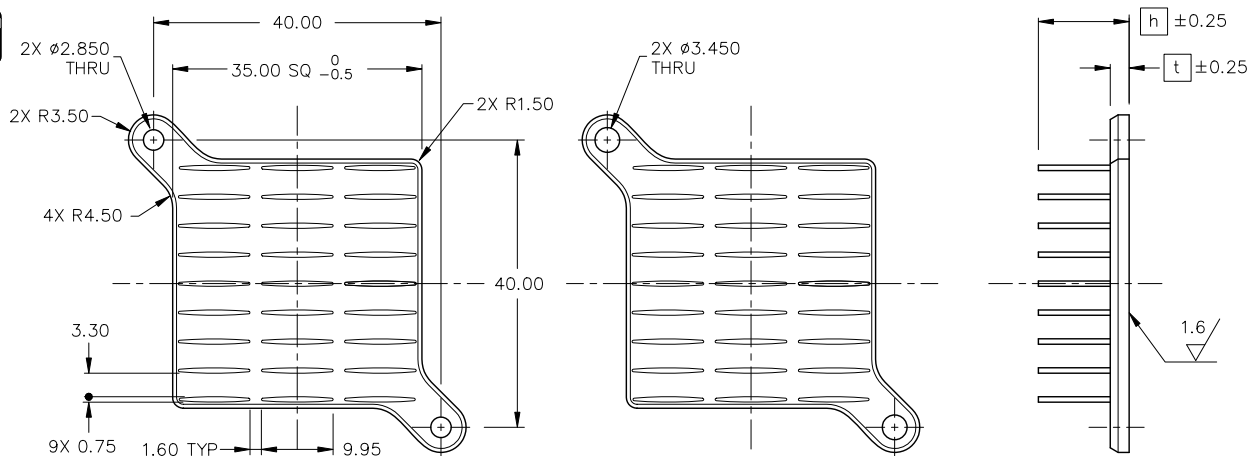
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDL 35



DIM



LPDL35-XXBC
FOR $\varnothing 2.500 \pm 0.05$ PCB HOLES

LPDL35-XXB
FOR $\varnothing 3.175 \pm 0.05$ PCB HOLES

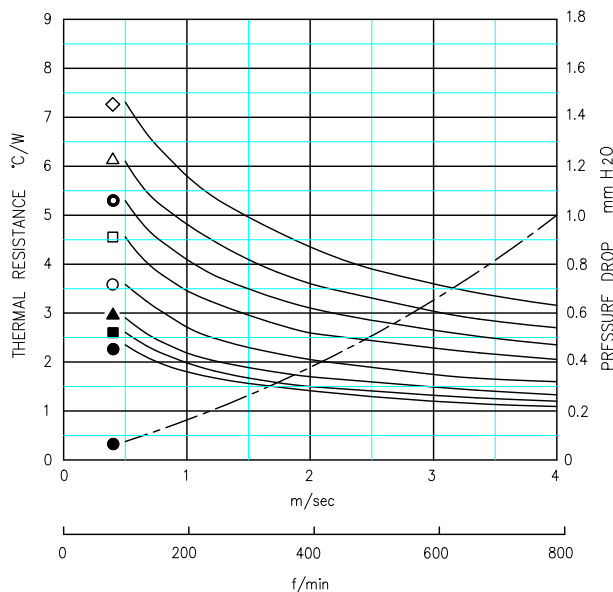
MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
LPDL35-8BC, LPDL35-8B	8	2.00	9.5
LPDL35-10BC, LPDL35-10B	10	3.00	13.5
LPDL35-12BC, LPDL35-12B	12		14.1
LPDL35-15BC, LPDL35-15B	15		15.7
LPDL35-20BC, LPDL35-20B	20		17.9
LPDL35-25BC, LPDL35-25B	25		20.1
LPDL35-30BC, LPDL35-30B	30		22.3
LPDL35-35BC, LPDL35-35B	35		24.5
LPDL35- h BC, LPDL35- h B	$h \leq 8$	2.00	-
	$8 < h$	3.00	-

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



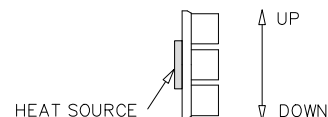
NATURAL
CONVECTION



AIR VELOCITY: DUCTED CONDITION

- ◇ LPDL35-8BC, LPDL35-8B
- △ LPDL35-10BC, LPDL35-10B
- LPDL35-12BC, LPDL35-12B
- LPDL35-15BC, LPDL35-15B
- LPDL35-20BC, LPDL35-20B
- ▲ LPDL35-25BC, LPDL35-25B
- LPDL35-30BC, LPDL35-30B
- LPDL35-35BC, LPDL35-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 4.7 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN
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E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

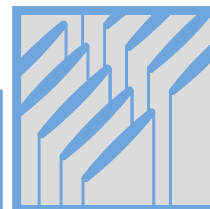
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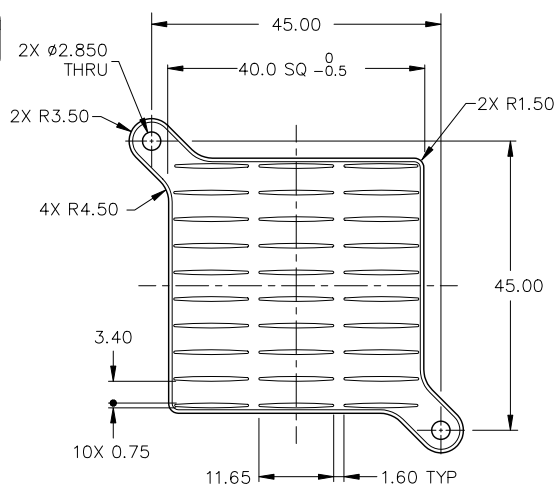
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

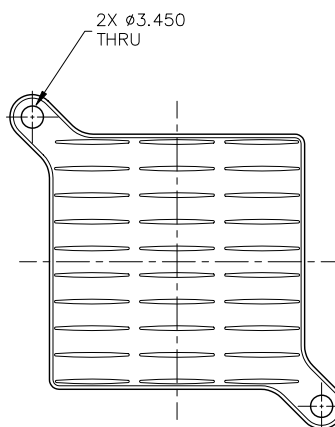
LPDL 40



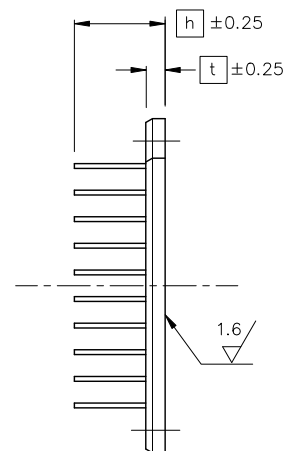
DIM



LPDL40-XXBC
FOR Ø2.500 ±0.05 PCB HOLES



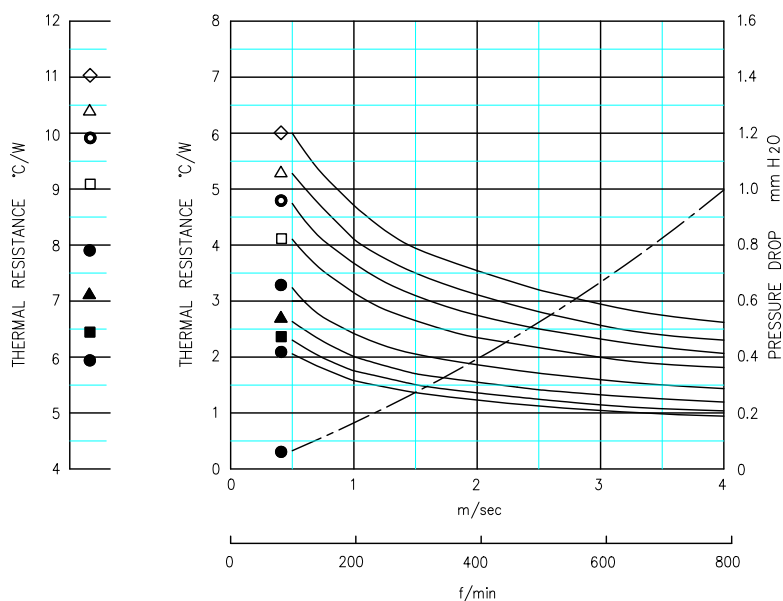
LPDL40-XXB
FOR Ø3.175 ±0.05 PCB HOLES



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDL40-8BC, LPDL40-8B	8	2.50	14.4
LPDL40-10BC, LPDL40-10B	10	3.00	17.2
LPDL40-12BC, LPDL40-12B	12		18.7
LPDL40-15BC, LPDL40-15B	15		20.0
LPDL40-20BC, LPDL40-20B	20		22.8
LPDL40-25BC, LPDL40-25B	25		25.6
LPDL40-30BC, LPDL40-30B	30		28.4
LPDL40-35BC, LPDL40-35B	35		31.8
LPDL40-[h]BC, LPDL40-[h]B	[h] ≤ 8	2.50	-
	8 < [h]	3.00	-

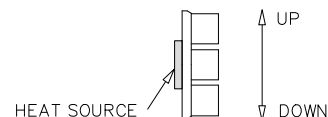
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDL40-8BC, LPDL40-8B
- △ LPDL40-10BC, LPDL40-10B
- LPDL40-12BC, LPDL40-12B
- LPDL40-15BC, LPDL40-15B
- LPDL40-20BC, LPDL40-20B
- ▲ LPDL40-25BC, LPDL40-25B
- LPDL40-30BC, LPDL40-30B
- LPDL40-35BC, LPDL40-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 6.0 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

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256-1 UEDANUMAZU-CITY SHIZUOKA-PREF.,JAPAN
PHONE +81(55)966 0789
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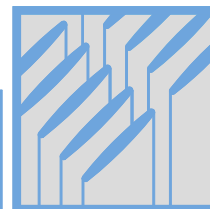
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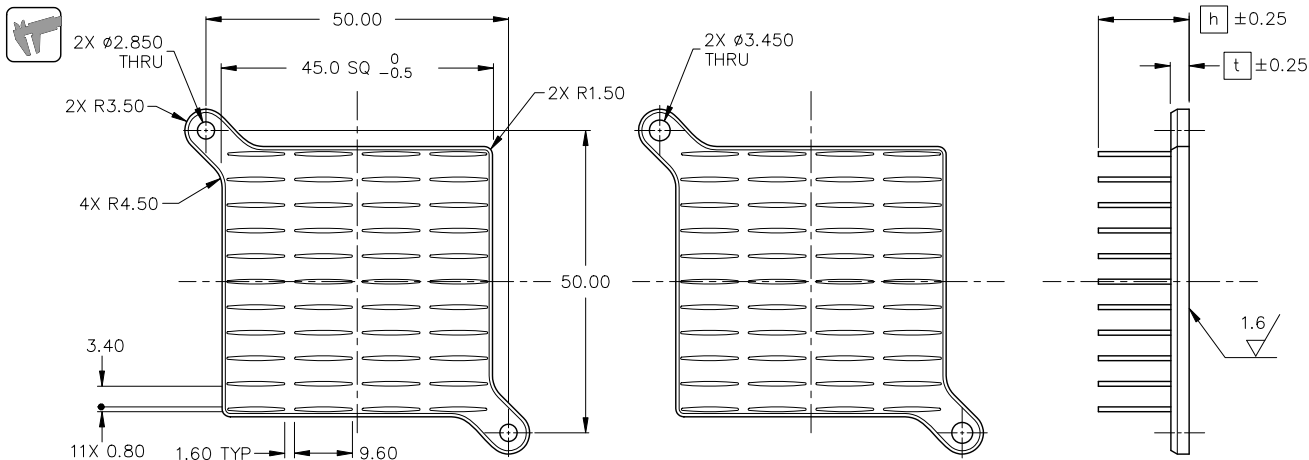
ALPHA

Low Pressure Drop Heat Sink with Mounting Tabs

LPDL 45



DIM



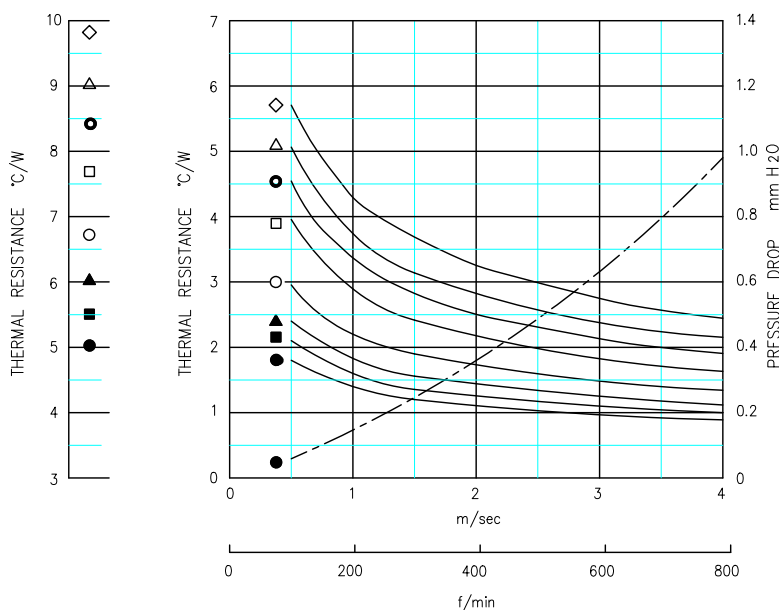
LPDL45-XXBC
FOR Ø2.500 ±0.05 PCB HOLES

LPDL45-XXB
FOR Ø3.175 ±0.05 PCB HOLES

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
LPDL45-8BC, LPDL45-8B	8	2.50	18.0
LPDL45-10BC, LPDL45-10B	10	3.00	21.9
LPDL45-12BC, LPDL45-12B	12		23.5
LPDL45-15BC, LPDL45-15B	15		25.5
LPDL45-20BC, LPDL45-20B	20		29.2
LPDL45-25BC, LPDL45-25B	25		32.9
LPDL45-30BC, LPDL45-30B	30		36.5
LPDL45-35BC, LPDL45-35B	35		40.2
LPDL45-[h]BC, LPDL45-[h]B	[h] ≤ 8	2.50	-
	8 < [h]	3.00	-

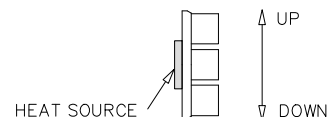
MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



- ◇ LPDL45-8BC, LPDL45-8B
- △ LPDL45-10BC, LPDL45-10B
- LPDL45-12BC, LPDL45-12B
- LPDL45-15BC, LPDL45-15B
- LPDL45-20BC, LPDL45-20B
- ▲ LPDL45-25BC, LPDL45-25B
- LPDL45-30BC, LPDL45-30B
- LPDL45-35BC, LPDL45-35B

- DUCTED CONDITION
DUMMY HEATER SIZE: 12.7 SQ
THERMAL RESISTANCE
PRESSURE DROP
- NATURAL CONVECTION
DUMMY HEATER SIZE: 12.7 SQ
DISSIPATED POWER: 7.5 (W)



NOTE ORIENTATION OF HEAT SINK USED
FOR NATURAL CONVECTION TESTING

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

Alpha Company Ltd.

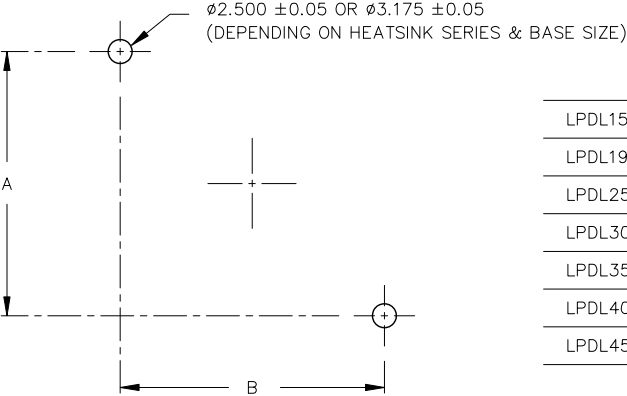
256-1 UEDANUMAZU-CITY SHIZUOKA-PREF.,JAPAN
PHONE +81(55)966 0789
FAX +81(55)966 9192
E mail : alpha@micforg.co.jp
URL : <http://www.micforg.co.jp>

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>



PCB HOLE LAYOUT



LPDL15 AND UBL15	18.0	18.0
LPDL19, UBL19 AND SR19	22.0	22.0
LPDL25, UBL25, NR25 AND SR25	30.0	30.0
LPDL30, UBL30, NR30 AND SR30	35.0	35.0
LPDL35, UBL35, NR35 AND SR35	40.0	40.0
LPDL40, UBL40, NR40 AND SR40	45.0	45.0
LPDL45, UBL45 AND NR45	50.0	50.0
MODEL	A	B