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### TOOLED STANDARD EXTRUSIONS

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<th>Mass (Lb/ft)</th>
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**NOTES:**

1. Thermal resistance is calculated based on a single 1" (25.4mm) square heat source centered on the heat sink. If you have larger distributed loads, then you can expect better performance in natural convection and in forced convection.

* Thermal resistance is based on a 75°C rise above ambient and models with Aluminum Black anodized finish.

** Thermal resistance is based on fully ducted heat sink in forced convection.

2. Material: 6063-T5 Aluminum Extrusion Alloy
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM11039

Natural Convection VM11039 @ 6in

Forced Convection VM11039 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM13061

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TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM13099

![Diagram of extrusion]

- **Fin Count:** 30
- **Dimensions:**
  - Height: 1.072 in (27.22 mm)
  - Depth: 0.312 in (7.92 mm)
  - Length: 9.876 in (250.05 mm)

---

**Natural Convection VM13099 @ 6in**

Ambient temp 20°C

- **Temperature (°C) vs. Power (W):**
  - Power (W) from 0 to 140
  - Temperature (°C) from 10 to 90

**Forced Convection VM13099 @ 6in**

Ambient temp 20°C

- **Thermal Resistance (°C/W) vs. Flow (CFM):**
  - Flow (CFM) from 0 to 1200
  - Thermal Resistance (°C/W) from 0.5 to 0.2
PRODUCT ID: VM14051

Natural Convection VM14051 @ 6in

Forced Convection VM14051 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM16068

Natural Convection VM16068 @ 6in

Forced Convection VM16068 @ 6in

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM17120

FIN COUNT: 40

![](image)

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**Natural Convection VM17120 @ 6in**

Ambient temp 29°C

**Forced Convection VM17120 @ 6in**

Ambient temp 20°C

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TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM18041

Natural Convection VM18041 @ 6in

Forced Convection VM18041 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM18085

Natural Convection VM18085 @ 6in

Forced Convection VM18085 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM18120

Natural Convection VM18120 @ 6in

Forced Convection VM18120 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM20065

Natural Convection VM20065 @ 6in

Forced Convection VM20065 @ 6in

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM20099

Natural Convection VM20099 @ 6in

Forced Convection VM20099 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM22052

Natural Convection VM22052 @ 6in

Forced Convection VM22052 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM23073

Natural Convection VM23073 @ 6in

Forced Convection VM23073 @ 6in

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM24120

Natural Convection VM24120 @ 6in

Forced Convection VM24120 @ 6in
TOOLED STANDARD EXTRUSIONS

Product ID: VM25100

Natural Convection VM25100 @ 6in

Forced Convection VM25100 @ 6in
PRODUCT ID: VM28070

Natural Convection VM28070 @ 6in

Forced Convection VM28070 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM28085

Natural Convection VM28085 @ 6in

Forced Convection VM28085 @ 6in

°C

°C/W

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM30100

Natural Convection VM30100 @ 6in

Forced Convection VM30100 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM30150

Fin Count 16
Fin Count 14

3,000 [76.20]

0.375 [9.53]

15,000 [381]

Natural Convection VM30150 @ 6in

Forced Convection VM30150 @ 6in

Ambient temp 20°C

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM31074

FIN COUNT: 20

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2.375 [60.33]

7.375 [187.33]

250 [6.35]

Natural Convection VM31074 @ 6in

Forced Convection VM31074 @ 6in

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM31075

Natural Convection VM31075 @ 6in

Forced Convection VM31075 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM33095

Natural Convection VM33095 @ 6in

Forced Convection VM33095 @ 6in

©Methode Electronics Inc.
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM33115

Natural Convection VM33115 @ 6in

Forced Convection VM33115 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM37103

FIN COUNT 14

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[93.98]

10.468
[265.89]

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[10.92]

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Natural Convection VM37103 @ 6in

Forced Convection VM37103 @ 6in
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM50053
TOOLED STANDARD EXTRUSIONS
PRODUCT ID: VM50153
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM50154
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VM55075
TOOLED STANDARD EXTRUSIONS
PRODUCT ID: VM55076
TOOLED STANDARD EXTRUSIONS

PRODUCT ID: VA34090