**VIA™ Package**

**PFM™**

Isolated & Regulated converter with PFC for AC-DC systems


**Description**

The PFM is the lowest profile AC-DC solution in the market. The Vicor VIA package enables designers to efficiently package power into their system’s thermal-management solution. Unlike the competition which offers solutions with twice the width and 3x the height, these slim-line converters can do the same job in less space.

**Features & Benefits**

- Up to 400W
- Up to 92% efficiency
- Active Power Factor Correction
  Exceeds 0.95 at most line / load conditions
- Chassis mount or PCB mounting options
- Available temperature grades
  - C-Grade: –20 to 100°C
  - T-Grade: –40 to 100°C
- Small size & low profile
- Allows designers to minimize the space needed for their applications
- Double-sided thermal housing simplifies thermal design challenges
- Companion AIM in a VIA package provides rectification and EMI filtering for use in Class B power systems

**Family of PFM Products**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>V_{OUT} (V)</th>
<th>Max Power (W)</th>
<th>Mounting Style</th>
<th>Companion AIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFM4414VB6M24D0TA0</td>
<td>24</td>
<td>400</td>
<td>Chassis</td>
<td>AIM1714VB6MC7D5T00</td>
</tr>
<tr>
<td>PFM4414BB6M24D0TA4</td>
<td>24</td>
<td>400</td>
<td>Board - Short</td>
<td>AIM1714BB6MC7D5T04</td>
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<tr>
<td>PFM4414BB6M24D0TA8</td>
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<td>400</td>
<td>Board - Long</td>
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<tr>
<td>PFM4414VB6M48D0TA0</td>
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<td>400</td>
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**Typical Application**

![Typical Application Diagram]