**Innovative Power Module Reduces System Size**

**μIPM™ Power Modules Deliver up to 60% Smaller Footprint**

### Specifications:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Size (mm)</th>
<th>Voltage</th>
<th>ID (\text{DC}(25°C))</th>
<th>Motor Current **</th>
<th>Motor Power (\text{VO=150/75VRMS})</th>
<th>Topology</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRSM836-024MA</td>
<td>12x12</td>
<td>250V</td>
<td>2A</td>
<td>470mA, 550mA</td>
<td>60W/72W</td>
<td>3P Open Source</td>
</tr>
<tr>
<td>IRSM836-044MA</td>
<td>12x12</td>
<td>250V</td>
<td>4A</td>
<td>750mA, 850mA</td>
<td>95W/110W</td>
<td>3P Open Source</td>
</tr>
<tr>
<td>IRSM836-025MA</td>
<td>12x12</td>
<td>500V</td>
<td>2A</td>
<td>360mA, 440mA</td>
<td>93W/114W</td>
<td>3P Open Source</td>
</tr>
<tr>
<td>IRSM836-035MB</td>
<td>12x12</td>
<td>500V</td>
<td>3A</td>
<td>420mA, 510mA</td>
<td>108W/135W</td>
<td>3P Common Source</td>
</tr>
<tr>
<td>IRSM836-035MA</td>
<td>12x12</td>
<td>500V</td>
<td>3A</td>
<td>420mA, 510mA</td>
<td>100W/130W</td>
<td>3P Open Source</td>
</tr>
<tr>
<td>IRSM836-045MA</td>
<td>12x12</td>
<td>500V</td>
<td>4A</td>
<td>550mA, 750mA</td>
<td>145W/195W</td>
<td>3P Open Source</td>
</tr>
</tbody>
</table>

### Features:

- 3-phase motor control IC
- 12x12x0.9mm PQFN package offers up to 60% smaller footprint
- Eliminates the need for heat sink
- DC current ratings from 2A to 4A
- Voltage range of 250V – 500V

### μIPM™ Advantages:

- Shortens design time
- Shrink sboard space requirements
- Simplicity - Eliminates Heat Sink
- Replaces more than 20 discrete parts to deliver a complete motor drive stage
- Slashes assembly time and cost
- Simplifies procurement and inventory management
- Reference design kits available for quick evaluation on any 3-phase motor

*IR’s iMOTION™ (i suppliers, representing the intelligent motion control, is a trademark of International Rectifier.
**RMS, Fc=16kHz, 2-phase PWM, X\(\text{TA}=25°C\), \(\text{TA} = 25°C\)