Description

The STEVAL-ISA140V1 is a 15 W wide range evaluation board based on the Viper™ Plus. It is designed as an example of an isolated auxiliary power supply.

The board and the transformer were designed and optimized in order to have a very compact size evaluation board.

Features

- AC Main Input voltage range: 100 V\textsubscript{AC} to 265 V\textsubscript{AC}
- Mains frequency (f\textsubscript{L}): 50 Hz / 60 Hz
- Output voltage typ: 12 V
- Output current: 1.25 A
- Output ripple voltage: 50 mV
- Rated output power: 15 W
- Input power in standby @230 V\textsubscript{AC}: 50 mW
- Active mode efficiency: 78%
- Ambient operating temperature: 60 °C
- RoHS compliant
Figure 1. STEVAL-ISA140V1 circuit schematic
2 Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-Dec-2013</td>
<td>1</td>
<td>Initial release.</td>
</tr>
<tr>
<td>14-Nov-2014</td>
<td>2</td>
<td>Title has been updated.</td>
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</table>
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