Features

- Dual low-side driver for N-channel MOSFETs
- 4 A sink/source current
- Operating frequency up to 1 MHz
- Predictive ZCS / ZVS control
- High impedance control
- START input
- DFN12, 3 x 3 mm package

Applications

- High current high performance step down conversion

Description

The STRG02 smart driver implements a control scheme specific to secondary-side synchronous rectification in STVCOT™ based resonant converters.

It provides two high current gate drive outputs, each capable of driving one or more N-channel low-side power MOSFETs. Both gate drivers are controlled by the combination of the START input and embedded predictive ZCD/ZVS control assuring the two external power MOSFETs to be switched in zero voltage / zero current conditions to achieve high efficiency power conversion.

The high impedance mode can be configured with the two external power MOSFETs immediately kept OFF.

The STRG02 is available in a DFN12, 3 x 3 mm package with an exposed pad.

Table 1. Device summary

<table>
<thead>
<tr>
<th>Order code</th>
<th>Package</th>
<th>Packing</th>
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<tbody>
<tr>
<td>STRG02TR</td>
<td>DFN12</td>
<td>Tape and reel</td>
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## Revision history

### Table 2. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
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<tr>
<td>03-Mar-2016</td>
<td>1</td>
<td>Initial release.</td>
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