



180327266 Si7210 Datasheet Version 1.0 Release

PCN Issue Date: 3/27/2018

Effective Date: 7/3/2018

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce the release of version 1.0 datasheet for the Si7210.

Si7210 datasheet changes are as follows:

- Added ordering guide diagram to outline each characters purpose in the part number.
- Updated ordering guide table to list major specs.
- Created several references to the Magnetic Sensor Selector Guide where information on minor specifications for each part number can be found.
- Removed detailed mention of TO92 and DFN8 packages.
- Added minor mentions of TO92 and DFN8 packages with the notion that they are coming soon.
- Updated detailed description to be clearer and more accurate.

- In "Table 1.2 General Specifications" separated sleep mode current consumption into 3 sets of varying temperature and voltage with the maximum sleep mode current consumption increasing from 1000 nA to 5000 nA.
- In "Table 1.2 General Specifications" added idle mode test condition and specifications.

Reason for Change

The datasheet changes related to power consumption were done to adhere closely to the latest characterization. The format, packages, and ordering guide changes were completed to clarify Silicon Labs offerings.

Impact on Form, Fit, Function, Quality, Reliability

There is no impact on form, fit, quality or reliability. The max power consumption at +125°C was specified to be at 5.5V and increased from 1000 nA to 5000 nA.

Product Identification

Si7210-B-00-IV
Si7210-B-01-IV
Si7210-B-02-IV
Si7210-B-03-IV
Si7210-B-04-IV
Si7210-B-05-IV
Si7210-B-00-IVR
Si7210-B-01-IVR
Si7210-B-02-IVR
Si7210-B-03-IVR
Si7210-B-04-IVR
Si7210-B-05-IVR

Last Date of Unchanged Product: 7/3/2018

Qualification Samples

Available upon request.

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

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Qualification Data

Available upon request.



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