



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_VDMM_20190508

Affected Series: VDMM; 171960501

PCN Date: February 08, 2019

Effective Date: May 08, 2019

Change Category:

- Equipment / Location
 General Data
 Material
 Process
 Product Design
 Shipping / Packaging
 Supplier

Contact: Product Management

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Data Sheet Change:

- Yes No

Attachment:

- Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

In the continuous process of offering more value to our customers, Würth Elektronik has enlarged the technical content of the MagI³C power module 171 960 501 (LGA-6EP 0.6A 0.6 - 5.5Vout) datasheet.

Update datasheet revision to 2.0.

There will be no change in form, fit, quality or reliability of the product.

DETAIL OF CHANGE:

In addition some electrical specifications are provided in a more precise way.

ELECTRICAL SPECIFICATIONS

- symbol of the soft-start duration in the electrical specifications table changed from T_{SS} to t_{ss}
- test conditions added for the parameter "Switching frequency" in the electrical specifications table
- Increase ESD voltage for V_{in} and V_{out} from 2kV to 4kV in absolute maximum ratings

This has no impact on existing designs. No changes of the application circuitry have to be applied.

No further changes in the electrical specifications have been done.

Additional information has been included in the datasheet:

- Alternative recommended part number for the input/output capacitors in the bill of material of the evaluation board
- Light load operation section: corrected ground offset in diagrams PWM / PFM mode
- Updated package drawing/marketing description table to include WE logo and removed product code and voltage code
- In the sales contact section: Changed weblink to www.we-online.com/powermodules and

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added descriptor "Technical Support:" in front of powermodules@we-online.de

- Added descriptor "Module" to various schematic drawings
- Section typical performance curves: Updated EMI standard from EN55022 to EN55032. Updated limit lines to full anechoic room measurement

RELIABILITY / QUALIFICATION SUMMARY:

Product specification approval, according to internal requirements, has been released by the Quality Department and the Product Management Department.