



## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_VDMM\_20200924

**Affected Series:** WE-VDMM; 171960501

**PCN Date:** August 24, 2020

**Effective Date:** September 24, 2020

### Change Category:

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

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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 MagI<sup>3</sup>C power module 171960501 (LGA-6 2.7-5.5VIN / 0.6-5.5VOUT / 0.6A) datasheet significantly.

Update datasheet revision to 3.0.

In addition some electrical specifications are provided in a more precise way (see below).

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

### DETAIL OF CHANGE:

Information that has been changed in the datasheet:

#### ELECTRICAL SPECIFICATIONS

- Symbol of the soft -start duration in the electrical specification table added. (pg.5)
- Conditions added for the parameter 'switching frequency' in the electrical specification table. (pg.5)
- Changed ESD voltage for Vin and Vout to 4kV in absolute maximum ratings. (pg.4)
- Added maximum external output capacitance to the electrical specification. (pg.5)

No further amendments in the electrical specifications have been done.

Additional information has been included in the datasheet:

- Alternative recommended part number of the input and output capacitors in the BOM. (pg.29)
- Updated packaging pictures to have the proper dimensions and drawings. (pg.35)
- Added section describing applications with high capacitive loads. (pg.29)
- Added explanation of additional external capacitor part number. (pg.29)

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- Changed format of transient response graphs to match formatting across all data sheets. (pg.22)
- Updated EMI diagrams with correct data (pg.8)

#### RELIABILITY / QUALIFICATION SUMMARY:

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