Product Change Notice

PCN #: BE140312   **Date: March 12, 2014**

Re: V375B12x300Bx Mini Modules

To Our Valued Customers:
We appreciate your use of Vicor DC-DC converters. The purpose of this notice is to inform you of a change in product performance.

PCN Type:
Notice of a product performance parameter change.

Product(s) Affected:
All DC-DC converter model numbers beginning with V375B12x300B (e.g. V375B12T300BL).

Proposed Change:
Operating frequency of the converter will change from a nominal 828kHz to 561kHz at low line, full load conditions. Operating frequencies at other load and line conditions will also change. Also, the maximum output ripple voltage will change from 188 mV to 360 mV.

Reason(s) for the Change:
Component obsolescence.

Customer Impact:
Customers using the module in single module applications will see no material difference in the performance of the newer design. All published specs, such as efficiency, will be within normal specification limits.

Applications requiring paralleling of modules for increased power or N+M redundancy will be affected. The newer design will NOT current share with older versions. The different designs must not be mixed in a parallel array. When replacing a module in an array, the modules must all be of the same design.

Product traceability and transition
To determine the design version of a module, please refer to the serial number just below the part number. Modules with serial numbers greater than 01140312120000 are the new versions and will not be compatible with modules that have a lower serial number.

Effective date of change: Modules manufactured on or after March 12, 2014.

Reliability/qualification summary
The new design has been subjected to and passed an exhaustive series of electrical and reliability tests that are standard for the Mini product series. Reliability is projected to equal or exceed that of the previous design.

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