



## Important Notice to our Customers

Product Change Notice #: VE190517

Date: May 17, 2019

RE: BCM4414xG0F4440yzz

### To Our Valued Customer:

We appreciate your use of BCM4414 product series. This is to inform you of a change to No-Load Power Dissipation and LO-Side Output Resistance specifications.

### PCN Type:

Change of electrical specifications

### Products Affected (current active models):

BCM4414BG0F4440C06, BCM4414BG0F4440C10, BCM4414BG0F4440T06, BCM4414BG0F4440T10, BCM4414VG0F4440C02, BCM4414VG0F4440T02

### Proposed Changes:

	Symbol	Conditions	Old Max	New Max
No-Load Power Dissipation	P <sub>HL_NL</sub>	V <sub>HL_DC</sub> = 544V, T <sub>CASE</sub> = 25°C	15W	<b>20W</b>
		V <sub>HL_DC</sub> = 544V	30W	30W
		V <sub>HL_DC</sub> = 400-700V, T <sub>CASE</sub> = 25°C	18W	<b>22W</b>

	Symbol	Conditions	Old Min	New Min
LO-Side Output Resistance	R <sub>LO_COLD</sub>	V <sub>HL_DC</sub> = 544V, I <sub>LO_OUT</sub> = 40A, T <sub>CASE</sub> = -40°C	7 mΩ	<b>5.5 mΩ</b>
	R <sub>LO_AMB</sub>	V <sub>HL_DC</sub> = 544V, I <sub>LO_OUT</sub> = 40A	8 mΩ	8 mΩ
	R <sub>LO_HOT</sub>	V <sub>HL_DC</sub> = 544V, I <sub>LO_OUT</sub> = 40A, T <sub>CASE</sub> = 70°C	18 mΩ	<b>9 mΩ</b>

### Reason for the change:

The new test limits are being implemented in order to improve production yields.

### Effective Date:

Immediate

### Actions Required:

Customers should make note of the change and contact Applications Engineering with any questions or concerns.

### Company contact for technical questions:

Applications Engineering Vicor Corporation  
25 Frontage Road  
Andover, MA 01810  
Phone: (978) 470-2900  
[apps@vicorpower.com](mailto:apps@vicorpower.com)