



Product Change Notice

Notice: #110228 (Updated)

Date: 22 APR 2011

To Our Valued Customers:

We appreciate your use of V.I Chip products. Our commitment to customer satisfaction is demonstrated by our introduction of new higher performance products and notification to you of the 'End Of Life' / 'Last Time Buy' of the original parts with updated dates. This PCN also notifies of a specification change to the original 48-12V BCM product.

Description:

As part of ongoing product portfolio improvement, latest generation versions of the following are now available with higher efficiency and higher calculated MTBFs. Unless otherwise noted, the new products are drop-in replacements for the original products.

Note also specification change to B048x120x30 while in end-of-life status.

DATES HAVE CHANGED

Products Affected:

Original Part Number (EOL)	K Factor	V _{OUT} (V)	Replacement Part(s)	Notes
B048F120T30*	1/4	12	BCM48BF120T300A00	Physical Drop-In Replacement
B048T120T30*	1/4	12	BCM48BT120T300A00	Physical Drop-In Replacement
B048F120M30*	1/4	12	BCM48BF120M300A00	Physical Drop-In Replacement
B048T120M30*	1/4	12	BCM48BT120M300A00	Physical Drop-In Replacement
B048F040T20	1/12	4	BCM48BF040T200A00	Physical Drop-In Replacement
B048T040T20	1/12	4	BCM48BT040T200A00	Physical Drop-In Replacement
B048F040M20	1/12	4	BCM48BF040M200A00	Physical Drop-In Replacement
B048T040M20	1/12	4	BCM48BT040M200A00	Physical Drop-In Replacement
B048F030T21	1/16	3	BCM48BF030T210A00	Physical Drop-In Replacement
B048T030T21	1/16	3	BCM48BT030T210A00	Physical Drop-In Replacement
B048F030M21	1/16	3	BCM48BF030M210A00	Physical Drop-In Replacement
B048T030M21	1/16	3	BCM48BT030M210A00	Physical Drop-In Replacement
B048F015T14	1/32	1.5	BCM48BF030T210A00 or PRM48BH480T200A00+ VTM48EH015T050A00	BCM48BF030T210A00 same pcb footprint but different voltage. PRM+VTM same voltage but require pcb redesign
B048T015T14	1/32	1.5	BCM48BT030T210A00	BCM48BT030T210A00 same pcb footprint but different voltage. Half-chip PRM and VTM not available as through-hole
B048F015M14	1/32	1.5	BCM48BF030M210A00 or PRM48BH480T200A00+ VTM48EH015M050A00	BCM48BF030M210A00 same pcb footprint but different voltage. PRM+VTM same voltage but pcb redesign. PRM T-grade only
B048T015M14	1/32	1.5	BCM48BT030M210A00	BCM48BT030M210A00 same pcb footprint but different voltage. Half-chip PRM and VTM not available as through-hole



The new BCM products are in the final stages of qualification and are scheduled to be released to mass production by 30 JUN 2011.

The PRM and VTM products suggested as replacements for B048x015x14 are available now.

* Note: The B048x120x30 parts entering end-of-life status also have a specification change. Analysis of raw material / manufacturing variance data indicated that a change to the 'No Load Input Power' (NLIP) dissipation specification (from 6W to 6.6W) was required to maintain correct Cpk, yield and factory throughput. No other parameters are affected.

Preliminary datasheets for the new BCMs are attached to this PCN. Final datasheets will be available on www.vicorpower.com by 30 JUN 2011.

Updated datasheet for the B048x120x30 available on www.vicorpower.com.

Schedule / Datecodes:

- Final orders shall be place prior to 30 DEC 2011
- Final shipments will be prior to 30 JUN 2012
- Complies with JEDEC Standard JESD48B
- For B048x120x30, specification change applies to product shipped from 4 MAR 2011

Action Required:

- Transition all purchase orders to the new part number(s) no later than 30 DEC 2011.
- Review datasheets for new part numbers for compatibility with current designs and differences in performance.
- Original products and replacement products should not be used together in the same paralleled applications.
- For B048x120x30, though most applications should have thermal designs (fans, heatsinks, etc.) margined for full load dissipation, operation at no-load or light-load conditions should be verified.

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