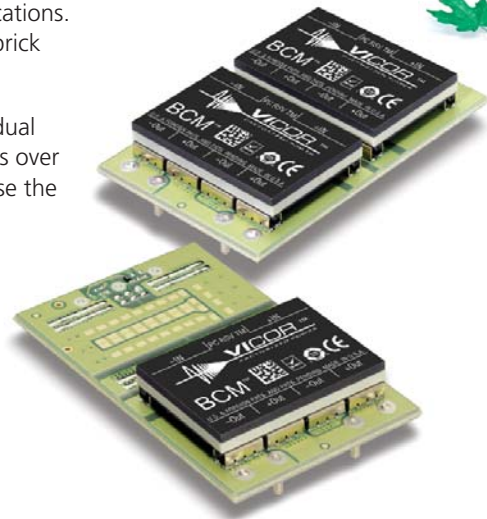


# 48 V Bus Converter Validation Board



V•I Chip Bus Converter Validation Boards are available for testing the performance of the 48 V Bus Converter Modules (BCM) for Intermediate Bus Architecture (IBA) applications. The validation boards include one or two BCMs mounted on a standard quarter-brick footprint to facilitate testing in your existing system.

The boards are available with a single BCM, rated up to 300 W or 90 A, or with dual BCMs, capable of 600 W or 100 A. Dual output pins are used for output currents over 50 A. Eleven fixed-ratio outputs are available from 1.5 to 48 Vdc. You can choose the intermediate bus voltage that is optimal for your system and load requirements.



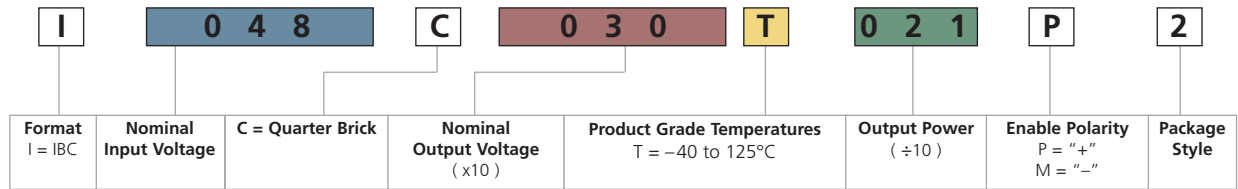
## Features

- Up to 600 W
- Up to 97% efficiency
- 600 W @ 55°C, 400 LFM
- -40 to 125°C
- Power density: 1000 W/in<sup>3</sup>
- 38 – 55 Vdc input range
- 3.5 MHz switching frequency
- Fast dynamic response
- Parallelable, with fault tolerance
- Industry standard quarter-brick footprint

[Order Validation Board](#) ▶

[BCM Evaluation Board](#) ▶

## Part Numbering



BCM Model	Output Voltage	Full Load Watts	Output Amps	Bus Converter Validation Board	Number of BCMs
B048F015T14	1.5	135	90	I048C015T014P2	1
B048F030T21	3.0	210	70.0	I048C030T021P2	1
		300	100.0	I048C030T030P2	2
B048F040T20	4.0	200	50.0	I048C040T020P1	1
		400	100.0	I048C040T040P2	2
B048F060T24	6.0	240	40.0	I048C060T024P1	1
		480	80.0	I048C060T048P2	2
B048F080T24	8.0	240	30.0	I048C080T024P1	1
		480	60.0	I048C080T048P2	2
B048F096T24	9.6	240	25.0	I048C096T024P1	1
		480	50.0	I048C096T048P1	2
B048F120T30	12.0	300	25.0	I048C120T030P1	1
		600	50.0	I048C120T060P1	2
B048F160T24	16.0	240	15.0	I048C160T024P1	1
		480	30.0	I048C160T048P1	2
B048F240T30	24.0	300	12.5	I048C240T030P1	1
		600	25.0	I048C240T060P1	2
B048F320T30	32.0	300	9.4	I048C320T030P1	1
		600	18.7	I048C320T060P1	2
B048F480T30	48.0	300	6.3	I048C480T030P1	1
		600	12.5	I048C480T060P1	2

To order, call 1-800-735-6200 or contact your local Vicor representative.