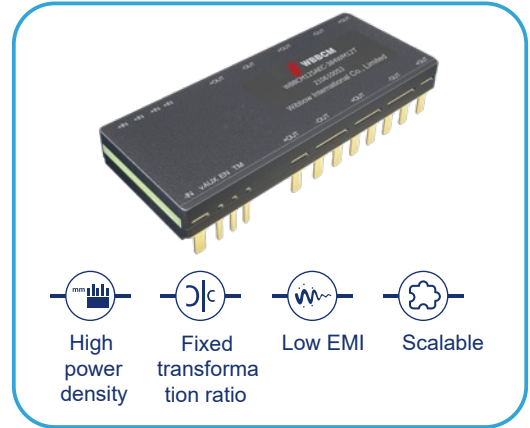


## WBBCM384WEC Series Microchip DC-DC Converter

### Product Features

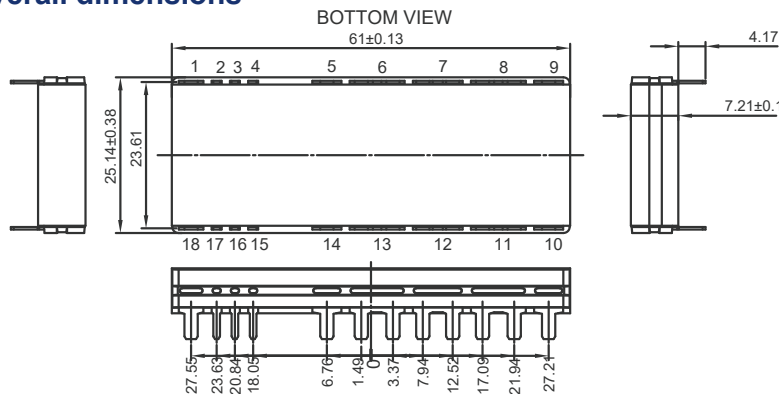
- High voltage wide input isolated fixed transformation ratio
- High volume power density: 2352 W/in<sup>3</sup>
- High weight power density: 40 W/g
- Weight: 41 g only
- Over-voltage, under-voltage, over-current, short circuit, and overtemperature protection
- Support expansion by parallel connection of up to 8 units
- Support bidirectional operation
- Operating temperature: -55°C~ 100°C
- CHIP6123 package: 61.0× 25.14 × 7.21 mm
- Conform to SJ 20668 General Specification for Microcircuit Modules



### Product specification

Specification and model	Input voltage	Output voltage	Voltage transformation ratio	Output current	Output power	Efficiency	Development progress
WBBCM68AEC-384WM12T	260~410V	12V	32: 1	68A	816W	97.1%	Available for delivery
WBBCM125AEC-384WM12T	260~410V	12V	32: 1	125A	1500W	96.4%	Available for delivery
WBBCM62A5EC-384WM12T	260~410V	24V	16: 1	62.5A	1500W	96.5%	Available for delivery

### Overall dimensions



Pin No.	Symbol	Function
1	-IN	Input negative terminal
2	VAUX	Auxiliary source terminal
3	EN	Enable terminal
4	TM	Temperature monitoring terminal
5,7,9,10,12,14	+OUT	Output positive terminal
6,8,11,13	-OUT	Output negative terminal
15,16,17,18	+IN	Input positive terminal

### Naming rule

WB	BCM	68A	EC	384W	M	12	T
Brand name	Series name	Output current	Package code	Input voltage	Temperature grade	Output voltage	Through hole type
Wibbow	Isolated non-stabilized microchip series	68A: 68A 125A: 125A 62A5: 62A5	EC: CHIP6123 (Through hole from long edge)	384W: 260-410V	M: T <sub>c</sub> : -55~100°C T <sub>s</sub> : -65~100°C H: T <sub>c</sub> : -40~100°C T <sub>s</sub> : -55~100°C T: T <sub>c</sub> : -40~100°C T <sub>s</sub> : -40~100°C	12: 12V	T: Through hole