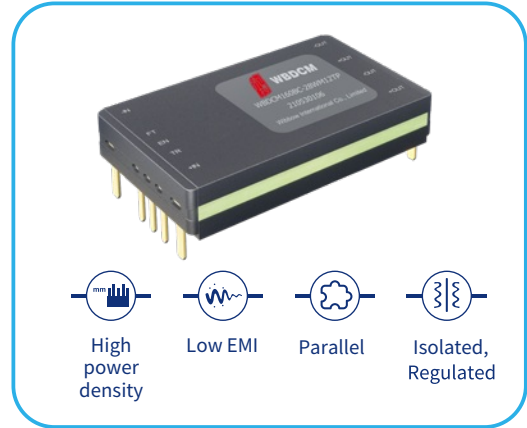




WBDCM28WBC Series Chip DC-DC Converter

Features

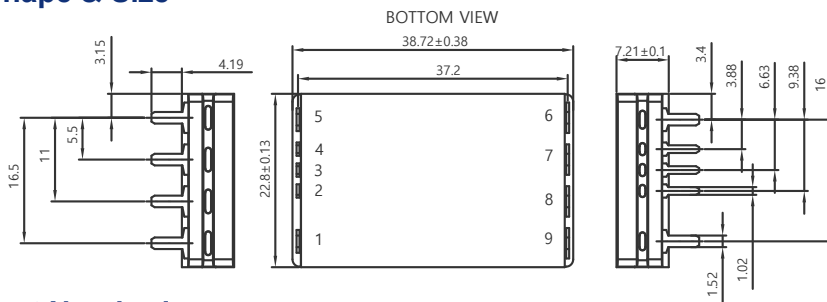
- Wide-input isolated voltage regulation
- High volume power density: 409W/in³
- High weight power density: 6.6 W/g
- Weight: only 24.2 g
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion
- 2250Vdc isolation
- Operating temperature: -55°C~100°C
- Package: 38.72 x 22.80 x 7.21 mm
- Comply with the General Specification for Microcircuit Modules (SJ20668)



Product specification

Product series	Input voltage range	Output voltage range	Adjustable range	Output current	Output power	Efficiency	Development progress
WBDCM80BC-28WM3V3TP	3.3V	9~50V	2.97~3.63V	24.3A	80W	87.4%	Available
WBDCM80BC-28WM05TP	5V	9~50V	3.5~5.5V	16A	80W	88.4%	Available
WBDCM160BC-28WM12TP	12V	9~50V	7.2~13.2V	13.4A	160W	90.8%	Available
WBDCM160BC-28WM15TP	15V	9~50V	9.0~16.5V	10.7A	160W	90.6%	Available
WBDCM160BC-28WM24TP	24V	9~50V	14.4~26.4V	6.7A	160W	90.8%	Available
WBDCM160BC-28WM28TP	28V	9~50V	16.8~30.8V	5.8A	160W	91.0%	Available
WBDCM160BC-28WM48TP	48V	9~50V	28.8~52.8V	3.4A	160W	90.5%	Available

Shape & Size



Pin No.	Label	Function
1	+IN	Positive input power terminal
2	TR	Adjusts output voltage
3	EN	Enables and disables power supply
4	FT	Fault monitoring
5	-IN	Negative input power terminal
6	-OUT	Negative output power terminal
7	+OUT	Positive output power terminal
8	-OUT	Negative output power terminal
9	+OUT	Positive output power terminal

Part Numbering

WB	DCM	80	BC	-	28W	M	3V3	T	P
Brand Name	Series name	Output	Package Type	-	Input voltage range	Temperature Grade	Output voltage range	Pin Type	Paralleling
Wibbow	Isolated and regulated microchip series	80: 80W 120: 120W	BC: CHIP3623	-	28W: 9~50V	M: Tc: -55~100°C Ts: -65~100°C H: Tc: -40~100°C Ts: -55~100°C T: Tc: -40~100°C Ts: -40~100°C	3V3: 3.3V 05: 5V 12: 12V 15: 15V 24: 24V 28: 28V 48: 48V	T: Through hole	P: Parallel S: Operate stand-alone