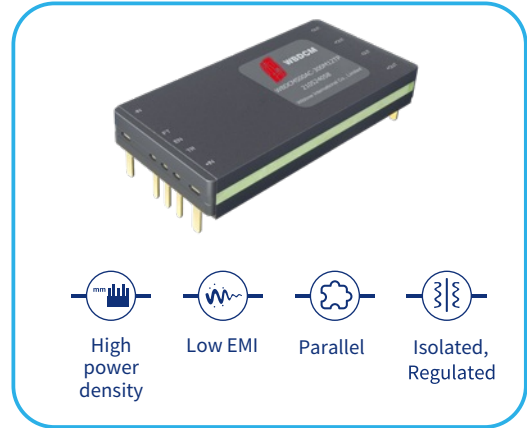




WBDCM300AC Series ChiP DC-DC Converter

Features

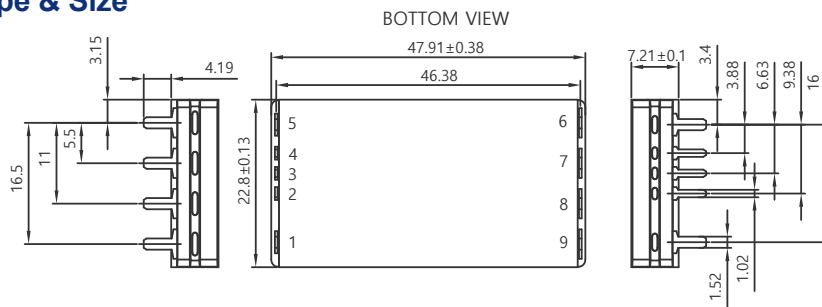
- Wide-input isolated voltage regulation: 200V-420V
- High volume power density: 1040W/in³
- High weight power density: 17.4 W/g
- Weight: only 28 g
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion
- 4242Vdc isolation
- Operating temperature: -55°C~100°C
- Package: 47.91 x22.80x7.21 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
WBDCM250AC-300M3V3TP	200~420V	3.3V	3.0~3.6V	45.46A	250W	87.7%	In development
WBDCM250AC-300M05TP	200~420V	5V	4.0~5.5V	50A	250W	89.1%	In development
WBDCM500AC-300M12TP	200~420V	12V	7.2~13.2V	41.67A	500W	91.1%	Available
WBDCM500AC-300M15TP	200~420V	15V	9.0~16.5V	33.4A	500W	91.8%	Available
WBDCM500AC-300M24TP	200~420V	24V	14.4~26.4V	20.84A	500W	92.6%	Available
WBDCM500AC-300M28TP	200~420V	28V	16.8~30.8V	17.86A	500W	93.2%	Available
WBDCM500AC-300M48TP	200~420V	48V	28.8~52.8V	10.42A	500W	92.0%	In development
WBDCM600AC-300M24TP	200~420V	24V	14.4~26.4V	25A	600W	92.6%	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	250	AC	-	300	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	250: 250W 500: 500W 600: 600W	AC: CHIP4623	-	200: 200 ~ 420V	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