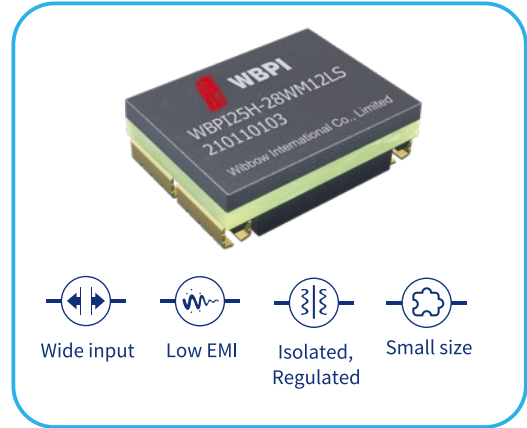




WBPI28WH Series ChiP DC-DC Converter

Features

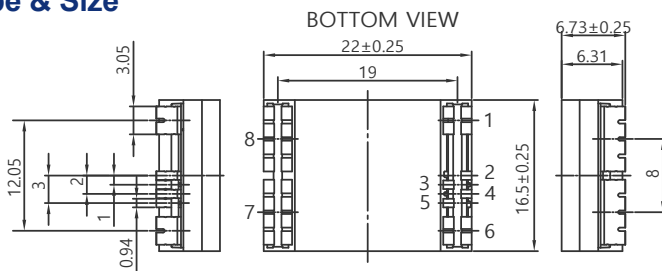
- Wide-input isolated voltage regulation: 9V-50V
- Ultra-small package
- High volume power density: 167W/in³
- High weight power density: 3.2 W/g
- Weight: only 7.8 g
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- 2250Vdc isolation
- Operating temperature: -55°C~100°C
- HALF CHIP package: 16.5 x22.0x6.73 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
WBPI16H-28WM3V3LS	9~50V	3.3V	2.97~3.36V	5A	16.5W	82%	In development
WBPI25H-28WM05LS	9~50V	5V	4.0~5.5V	5A	25W	84.2%	Available
WBPI25H-28WM12LS	9~50V	12V	9.6~13.2V	2.1A	25W	86%	Available
WBPI25H-28WM15LS	9~50V	15V	12~16.5V	1.6A	25W	86%	In development
WBPI25H-28WM18LS	9~50V	18V	14.4~19.8V	1.4A	25W	86%	In development
WBPI25H-28WM24LS	9~50V	24V	22.4~30.8V	1.04A	25W	87%	In development
WBPI25H-28WM28LS	9~50V	28V	22.4~30.8V	0.9A	25W	87%	In development
WBPI25H-28WM48LS	9~50V	48V	38.4~52.8V	0.52A	25W	88%	In development

Shape & Size



Pin No.	Label	Function
1	+IN	Positive input power terminal
2	SGND	Signal GND
3	TM	Temperature monitoring terminal
4	TRIM	Voltage regulation terminal
5	ENABLE	Enables and disables power supply
6	-IN	Negative input power terminal
7	-OUT	Negative output power terminal
8	+OUT	Positive output power terminal

Part Numbering

WB	PI	16	H	-	28W	M	3V3	L	S
Brand Name	Series name	Output	Package Type	-	Input voltage range	Temperature Grade	Output voltage range	Pin Type	Paralleling
Wibbow	Isolated and regulated microchip series	16: 16W 25: 25W	H: HALF CHIP	-	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 18: 18V 24: 24V 28: 28V 48: 48V	L: Surface Mount Technology (SMT)	P: Parallel S: Operate stand-alone