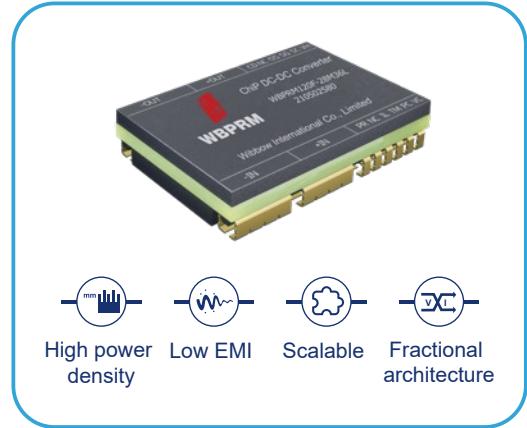


WBPRM28F Series Microchip DC-DC Converter

Product Features

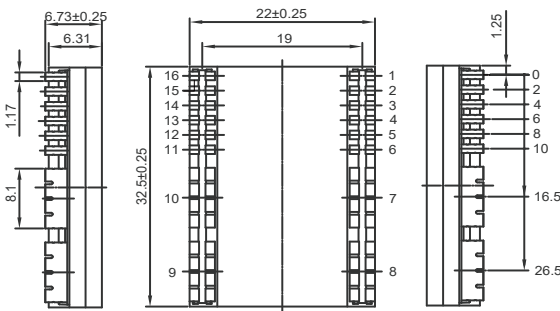
- Wide input wide output
- Maximum volume power density: 1702.7 W/in³
- Maximum weight power density: 31.25 W/g
- Weight: 16 g only
- Over-voltage, under-voltage, over-current, short circuit, and overtemperature protection
- Support expansion by parallel connection of up to 5 units
- Cascade JVTM composition fractional architecture
- Operating temperature: -55°C~ 100°C
- FULL CHIP package: 32.5× 22.0 × 6.73 mm
- Conform to SJ 20668 General Specification for Microcircuit Modules



Product specification

Specification and model	Input voltage	Output voltage	Adjustment range	Output current	Output power	Efficiency	Development progress
WBPRM120F-28M36L	16~50V	36V	26V~50V	3.33A	120W	95.5%	Available for delivery
WBPRM240F-28M36L	16~50V	36V	26V~50V	6.66A	240W	95.5%	Developing
WBPRM500F-28M24L	20~40V	24V	20V~40V	20.8A	500W	95%	Available for delivery

Overall dimensions



JPRM28F36M120L、JPRM28F36M240L

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	VC	VTM control	9	-OUT	Output negative terminal
2	PC	Primary side control terminal	10	+OUT	Output positive terminal
3	TM	Dead end	11	CD	Voltage compensation
4	IL	Current limiting setting	12	NC	Dead end
5	NC	Dead end	13	OS	Output voltage setting
6	PR	Parallel control	14	SG	Signal ground
7	+IN	Input positive terminal	15	SC	Secondary side control terminal
8	-IN	Input negative terminal	16	VH	Auxiliary source

JPRM28F24M500L

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	PR	Parallel control	9	-OUT	Output negative terminal
2	PC	Primary side control terminal	10	+OUT	Output positive terminal
3	TRIM	Output voltage setting	11	VC	VTM control
4	NC	Dead	12	RE	Outer loop reference
5	NC	Dead	13	SG	Signal ground
6	AL	Adaptive loop control	14	IF	Current monitoring
7	+IN	Input positive terminal	15	VS	Auxiliary source
8	-IN	Input negative terminal	16	VT	VTM temperature compensation

Naming rule

WB	PRM	120	F	28	M	36	L
Brand name	Series name	Output power	Package code	Input voltage	Temperature grade	Output voltage	Through hole type
Wibbow	Isolated voltage regulation Microchip series	120: 120W 240: 240W 500: 500W	F: FULL CHIP	28: 16-50V	M: T _c : -55~100°C T _s : -65~100°C H: T _c : -40~100°C T _s : -55~100°C T: T _c : -40~100°C T _s : -40~100°C	36: 36V 24: 24V	L: Surface mount T: Through hole