

VI-920194B in the product family

Maxi DC DC Converter

Input Voltage

48V

Output Voltage

15V

Output Power

500W

Full Brick

4.6 x 2.2 x 0.5in / 117 x 55.9 x 12.7mm



DATA SHEET

EVALUATION BOARD

Options

VI-920194B

No configuration options available.

Status

End of life

Product features

Size: 4.6" x 2.2" x 0.5" (117 x 55,9 x 12,7 mm)

Low noise zero current switching and zero voltage

Switching technology

Single-wire paralleling

Output voltage adjust from 10-110%

Logic enable / disable

Input undervoltage lockout

Output overvoltage protection

Reference materials

Data Sheets

Maxi Family 48V Input Data

Sheet

Application notes

InMate Design Guide

Military De-rating Guide

SurfMate Design Guide

Soldering Methods and

Procedures for RoHS-

Compliant Power Modules

AN:101
High-Efficiency Battery
Charger Using Power
Components

AN:104
Hot-Swap Capability
Eliminates Downtime

AN:106
Thermal Considerations:
Assuring Performance of
Maxi, Mini and Micro High-
Density DC-DC Converter
Modules

AN:109
Adjustable Latching Output
Overcurrent Circuit

AN:201
Using Modular DC-DC
Converters to Meet
European Standards for
Railway Applications

AN:206
Maxi, Mini, Micro DC-DC
Converters Parallel Bus: PR
Pin

AN:207
Designing High-Power
Arrays Using Maxi, Mini
and Micro Family DC-DC
Converters

AN:208
Soldering Methods and
Procedures for Vicor Power
Modules

AN:209
Wide-Range Trimming
with Variable Loads

AN:211
Constant Current Control
for DC-DC converters

AN:214
Meeting Transient
Specifications for Electrical
Systems in Military Vehicles

User guides and manuals

Design Guide &
Applications Manual for
Maxi, Mini, Micro Family
DC-DC Converter and
Accessory Modules

Mechanical drawings

Maxi, long tin/lead pin,
threaded baseplate

PDF

Outline Drawing for Maxi
DC-DC Converter

DXF PDF

3D models

Maxi, long tin/lead pin,
threaded baseplate

STP

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Related accessories

Heat Sinks

Description	RoHS	Drawings	Part Number	
Longitudinal Through hole	Yes	PDF	30718	ADD TO CART
Longitudinal Through hole	Yes	PDF	30181	ADD TO CART
Transverse Through hole	Yes	PDF	30720	ADD TO CART
Transverse Through hole	Yes	PDF	30723	ADD TO CART

Capacitors

Description	RoHS	Drawings	Part Number	
Y-Cap	Yes	PDF	00770	ADD TO CART
Y-Cap	Yes	PDF	01000	ADD TO CART
Y-Cap	Yes	PDF	03093	ADD TO CART
SM Polymer	Yes	PDF	23484-337	ADD TO CART
SM Polymer	Yes	PDF	23484-477	ADD TO CART
SM Polymer	Yes	PDF	23579-227	ADD TO CART
Y-Cap SMT	Yes	PDF	25283	ADD TO CART
Al-EI (10mm x 16mm)	Yes	PDF	30468	ADD TO CART
Al-EI (10mm x 16mm)	Yes	PDF	30469	ADD TO CART
Al-EI (16mm x 15mm)	No	PDF	30787	ADD TO CART
Al-EI (10mm x 16mm)	Yes	PDF	30788	ADD TO CART
Al-EI (12mm x 25mm)	No	PDF	30799	
Y-Cap SMT	Yes	PDF	30802	ADD TO CART
Al-EI (16mm x 15mm)	No	PDF	33985	ADD TO CART

Remote Sense Compensation

Description	RoHS	Drawings	Part Number	
1mH Output Sense	Yes	PDF	36-00030	ADD TO CART

Scope jack

Description	RoHS	Drawings	Part Number	
Shielded horz.	No		01830	ADD TO CART
Shielded vert.	No		06207	ADD TO CART

Thermate Pad

Description	RoHS	Drawings	Part Number	
Maxi Thermate Pad	Yes	PDF	20263	ADD TO CART

Transformer

Description	RoHS	Drawings	Part Number	
PR Bus Isolation	No		29768	ADD TO CART

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