

DC-DC CONVERTER

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PREMILINARY

Key Features:

- 9 to 72 V input.
- Efficiency up to 95.6%
- Fixed frequency switching.
- Inhibit function.
- Isolated.
- UVLO
- Short circuit protection with auto recovery.
- Over Temperature Shutdown.
- -40^o to +85^oC operation.
- Compact in size.

Applications:

- Industrial power supplies.
- Telecommunication systems
- DC– DC Conversion.
- Point of Load Conversions.
- High thermal requirement applications.



Size : 3.4 x 1.575 x 0.79 inches

(86.5 x 40 x 20.1mm)

Description:

VI100 Series DC/DC converter is an easy-to-use step-down DC-DC solution capable of driving up to 125W. These series of DC/DC converters are available customized package. The VI100 Series DC/DC converters can accept an input voltage rail between 9V and 72V and delivers a constant output voltage depending on model.

No external capacitors/ resistors required. VI100 Series DC/DC converter has reliable and robust design with following protection features:

1. UVLO.
2. Output short circuit protection with auto recovery.
3. Over Temperature Shutdown.

Model selection:

Model	Input voltage	Output voltage	Output Current	Output Power
VI100-4805-1VC*	18-72VDC.	+5VDC	25A	125W
VI100-4812-1VC*	18-72VDC.	+12VDC	8.33A	100W
VI100-4824-1VC*	18-72VDC.	+24VDC	5A	120W
VI100-2403-1VC*	9-36VDC.	+3.3VDC	20A	66W
VI100-2412-1VC*	9-36VDC.	+12VDC	5A	60W
VI100-2418-1VC*	9-36VDC.	+18VDC	5A	90W
VI100-2448-1VC*	9-36VDC.	+48VDC	1.5A	72W
VI100-5403-1VC*	36-72VDC.	+3.3VDC	35A	115W
VI100-5405-1VC*	36-72VDC.	+5VDC	12A	60W

* For detailed datasheet please consult factory (info@variturn.com)

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