



America

CERTIFICATE

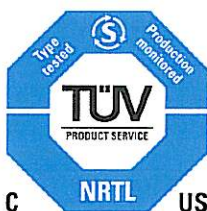
No. U8V 09 07 21433 187

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



Product: DC converter
DC to DC converter

Model(s): VI Brick High Current VTM Family Tree Model
VTbbbAcccxdddy
(see attachment for model nomenclature)

Parameters:

Rated Input Voltage:	48 VDC
Rated Output Voltage:	1.2 V DC
Rated Output Current:	130 A max
Protection Class:	III

(see attachment for additional rating information and license conditions)

Tested according to: CAN/CSA C22.2 No. 60950-1:2003
UL 60950-1:2003
EN 60950-1:2001

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. See also notes overleaf.

Test report no.: 090-903810-000

Date, 2009-07-15

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Attachment to Certificate Number U8V 09 07 21433 187

Company: Vicor Corporation
 25 Frontage Road
 Andover, MA 01810
 USA



America

VI Brick High Current VTM Family Tree Model VTbbbAcccxdddyy

VT = Constant

bbb = Input Voltage Vdc (range)	
048	48.0 (26-55)

A = Constant (Full VIC package size)

ccc = Output Voltage Vdc (range)	
012	1.2 (0-1.29)
015	1.5 (0-1.62)

x =	Product Grade	Temp Range
C	Commercial	0 - 100 C
T	Telecom	-40 - 100 C
M	Military	-55 - 100 C

ddd = Output Current	Amps (Case Temp 100° C Max)	Amps (Case Temp 30° C Max)
130	130	150
115	115	130

yy = Package Style
FP, PP, or any 2 character alphanumeric sequence (non-safety related)

Sample Model Numbers:

VT048A012T130FP, VT048A012T130PP, VT048A015T115FP, VT048A015T115PP

License Conditions:

1. **Input Voltage:** Both a nominal input voltage and an input voltage range are specified. Operation over the entire range was evaluated. The input to the High Current VTM is intended to be supplied from a SELV or other non hazardous secondary circuit.
2. **Max Temperature:** Keep the maximum case temperature at 100°C or less for standard operating conditions and 30 °C or less for high current applications. See nomenclature breakdown and electrical ratings table for details.
3. **Over temperature:** If the maximum case temperature is exceeded the device may be damaged.
4. The VI Brick High Current VTM series of DC-DC converters are non-isolating. The output can be considered SELV if the input is SELV.
5. The VI Brick High Current VTM series of DC-DC converters provide 2250 Vdc of isolation from Input / Output to the Case.
6. **Fusing Requirements:** The VI Brick High Current VTM series of DC-DC converters were evaluated with Littelfuse Nano² Fuse rated 10A / 125Vdc. The VI Brick High Current VTM may be protected by a smaller fuse or a current limited circuit in the end product.

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Alan McLaughlin

