



America

CERTIFICATE

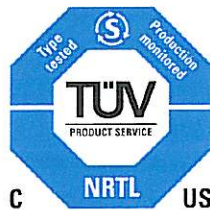
No. U8V 09 09 21433 202

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



Product: Converter
DC to DC Converter

Model(s): VI Brick
DC048B480T022FP
see attachment for model nomenclature

Parameters:
Rated Input Voltage: 36-75 V DC
Rated Output Voltage: 48 V DC
Rated Output Power: 220 W Max
see attachment for additional ratings 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.: 090-708284-100

Date, 2009-09-28

Page 1 of 3



Attachment 1 to CUE Certificate Number U8V 09 09 21433 202

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



America

VI Brick DC-DC Model Number: DCaaaBcccxyzz
 Example: DC048B480T022FP

DC = Constant	DC-DC Converter
---------------	-----------------

aaa = Nominal Input Voltage (range)	
048	48 Vdc (36 – 75)

B = Constant	Package Size (2 VI Chips)
--------------	---------------------------

ccc = Output Voltage Designator			
010	1.0 Vdc	100	10.0 Vdc
015	1.5 Vdc	120	12.0 Vdc
018	1.8 Vdc	150	15.0 Vdc
025	2.5 Vdc	240	24.0 Vdc
030	3.0 Vdc	280	28.0 Vdc
033	3.3 Vdc	480	48.0 Vdc
050	5.0 Vdc		

x =	Product Grade	Temp Range
C	Commercial	0 to 100C
T	Telecom	-40 to 125C
M	Military	-55 to 125C

yyy = Output Power Designator	
022	220 W
020	200 W
019	190 W
018	180 W
017	175 W
016	165 W
014	144 W
012	120 W
010	100 W

zz = Package Style
Any alphanumeric character (non-safety related)

Test Report No: 090-708284-100

Date: 2009-09-28

Page 2 of 3



Attachment 1 to CUE Certificate Number U8V 09 09 21433 202

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



America

License Conditions:

When installed in the end use equipment, the following are among considerations to be made:

1. **Input Voltage:** Both a nominal input voltage and an input voltage range are specified. Operation over the entire range was evaluated.
2. **Max Temperature:** Keep the maximum case temperature of the VI brick at 100°C or less.
3. **Over temperature:** If the case temperature exceeds 100°C, the VI Chip's internal to the VI Brick may be damaged.
4. **Fusing Requirements:** The VI Brick modules were evaluated with a Littelfuse Nano² Fuse rated 10A max.
5. The input to the VI Brick is intended to be supplied from a TNV-2 or other secondary circuit. The output is considered to be SELV.
6. The VI Brick DC-DC module can provide 2250 Vdc of isolation from input to output and from the input to the case.
7. The output is separated from the input by Basic insulation.

Test Report No: 090-708284-100

Date: 2009-09-28
Page 3 of 3

