

## CERTIFICATE

No. U8V 16 04 21433 480

Holder of Certificate: Vicor Corporation

25 Frontage Road Andover MA 01810

USA

67768

Production Facility(ies):

Certification Mark:



Product: DC converter DC-DC Converter

Model(s): BCM380P475T1K2A30

(See attachment for additional model information

Parameters: Rated Input Voltage: 380 V DC

Rated Output Voltage: 47.5 V DC Rated Output Power: 1200 W max

Tested CAN/CSA C22.2 No.60950-1:2007/A1:2011

according to: UL 60950-1:2007/R:2011-12 EN 60950-1:2006/A2:2013

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 72101800-000

Date, 2016-04-28

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## Attachment to Certificate Number U8V 16 04 21433 480

Vicor Corporation 25 Frontage Road Andover, MA 01810 USA



VICHIP High Voltage Panel Mold BCM Model Matrix: BCMbbbcdddefffxyz Example: BCM380P475T1K2A30

BCM = Constant

BCM Family	(Buss Converter Module)	
BCM	Standard version	
MBCM	Military version	

bbb = 380

Nominal I	nput Voltage (Input Voltage	ge Range)	
270	270 (200-330)	384	384 (260-410)
380	380 (260-410)	400	400 (260-410)

Packa	ge Type and Lead designator	
Р	Panel Mold Through-hole	
N	Lead-less for VIA applications	

ddd = 475

Output Voltage Designator, Nominal Vout = Designator / 10				
120	12.0V	475	47.5V	
240	24.0V	500	50.0V	***
338	33.8V	A TOWN ON PROPERTY.	2 10 V/61 960000 ANNOCAC	

Produc	t Grade	
Т	-40 to 125C	
М	-55 to 125C	
С	0 to 85C	

fff = 1K2

800	800W	1K5	1500W
1K4	1400W	1K8	1750W
1K2	1200W		

Revision	n (non-safety related)
X	Any alphanumeric character

y = 3

Packa	ge Size Designator	
С	23 x 61 mm	
3	61 x 23 mm	

z = 0

Functional list of exa	lity (non-safety related), any alphanumeric character, non-inclusive mples
0	Analog Control Interface
1	Digital Control Interface
R	Reversible Operation

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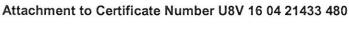
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UCB\_F\_12.02 2012-02



Vicor Corporation 25 Frontage Road Andover, MA 01810 USA



VICHIP High Voltage Panel Mold BCM Alternate Model Matrix: BCM6123bccdwwxxyzz

Example: BCM6123TD1E5126T01

BCM = Constant

Product	Function	
BCM	Buss Converter Module	

6123 = Constant

Package	e Size Designator (mm)	
6123	61 x 23 or 23 x 61	

h = T

Lead D	esignator	
L	Leadless for adapter	
Т	Through-Hole	

cc = D1

Maxim	ium Input Voltage (Vin range)	
C3	330Vdc (200-330)	
D1	410Vdc (260-410)	

d = E

Range	Ratio (Vin high / Vin low)	
E	1.6	

ww = 51

Maximum Outpu	t Voltage (Nominal Output	Voltage)	
13	13V (12.0V)	41	41V (33.8V)
26	26V (24.0V)	51	51V (47.5V)

xx = 26

17	17.5 A	32	32.0 A	62	62.5 A	A2	125 A
26	25.7 A	35	35.0 A	68	68.0 A		

v = T

roduc	t Grade		
С	-20 to 125°C	Commercial	
Т	-40 to 125°C	Industrial	- III A COLOR STATE STAT
М	-55 to 125°C	Military	
Ε	0 to 125°C	Economy	The state of the s
S	-55 to 125°C	MilCOTS	

Options	(non-safety related), Any alphanumeric combination, non-inclusive list of examples
00	Analog Control Interface
01	Digital Control Interface
0R	Analog Control Interface with Reversible Operation
0P	Digital Control Interface with Reversible Operation

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## License Conditions:

**Special Considerations** – The following items are considerations that were used when evaluating these products.

The High Voltage Panel Mold BCM family of DC-DC converters are designed for building-in.

<u>Conditions of Acceptability</u> – When installed in the end use equipment, the following are among considerations to be made:

- 1. See de-rating curves for maximum output power, case temperature, and input voltage.
- 2. The output is separated from the input by reinforced insulation.
- 3. The output is considered to be SELV.
- 4. The BCMs were evaluated with a Bussmann PC-Tron rated 5A, Littelfuse 487 series rated 8A, Littelfuse 505 series rated 10A.
- 5. Outputs above 240W are considered to be at a hazardous energy level.

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