ZERTIFIKAT • CERTIFICATE • 認證證書 • СЕРТИФИКАТ • CERTIFICADO • CERTIFICAT

America

CERTIFICATE

No. U8V 16 04 21433 480

Holder of Certificate: **Vicor Corporation**
25 Frontage Road
Andover MA 01810
USA

Production Facility(ies): 67768

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

684675

Attachment to Certificate Number U8V 16 04 21433 480

Vicor Corporation
25 Frontage Road
Andover, MA 01810 USA

America

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 Input Voltage (Input Voltage Range)			
270	270 (200-330)	384	384 (260-410)
380	380 (260-410)	400	400 (260-410)

c = P

Package Type and Lead designator	
P	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		

e = T

Product Grade	
T	-40 to 125C
M	-55 to 125C
C	0 to 85C

fff = 1K2

Output Power Designator, Non-inclusive list of examples below.			
800	800W	1K5	1500W
1K4	1400W	1K8	1750W
1K2	1200W		
See attached de-rating curves for corresponding maximum output current			

x = A

Revision (non-safety related)	
x	Any alphanumeric character

y = 3

Package Size Designator	
C	23 x 61 mm
3	61 x 23 mm

z = 0

Functionality (non-safety related), any alphanumeric character, non-inclusive list of examples	
0	Analog Control Interface
1	Digital Control Interface
R	Reversible Operation

Test Report No: 72101800-000

Date: 2016-04-28
U8V 16 04 21433 480

PEABODY TÜV SÜD PRODUCT SERVICE

TÜV®

Attachment to Certificate Number U8V 16 04 21433 480

Vicor Corporation
25 Frontage Road
Andover, MA 01810 USA

America

VICHIP High Voltage Panel Mold BCM Alternate Model Matrix: BCM6123bccdwwxxyzz
Example: BCM6123TD1E5126T01

BCM = Constant

Product Function	
BCM	Buss Converter Module

6123 = Constant

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

b = T

Lead Designator	
L	Leadless for adapter
T	Through-Hole

cc = D1

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

xx = 26

Maximum Output Current							
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		
See attached de-rating curves for corresponding maximum output power							

y = T

Product Grade		
C	-20 to 125°C	Commercial
T	-40 to 125°C	Industrial
M	-55 to 125°C	Military
E	0 to 125°C	Economy
S	-55 to 125°C	MilCOTS

zz = 01

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

Test Report No: 72101800-000

Date: 2016-04-28
U8V 16 04 21433 480

PEABODY TÜV SÜD PRODUCT SERVICE

TÜV®

Vicor Corporation
25 Frontage Road
Andover, MA 01810 USA

America

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.

Conditions of Acceptability – 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.

Test Report No: 72101800-000

Date: 2016-04-28
U8V 16 04 21433 480