



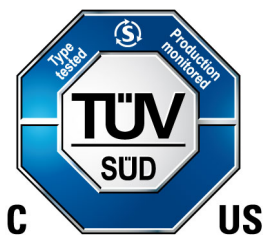
America

CERTIFICATE

No. U10 021433 0675 Rev. 00

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

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
 DC-DC Converter

Tested according to: CSA C22.2 No. 62368-1:2019
 UL 62368-1:2019

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

Test report no.: 72196434-000

Date, 2024-02-02

(William J. Stinson)



America

CERTIFICATE

No. U10 021433 0675 Rev. 00

Model(s): BCM380P475T1K2A30
BCM6123TD1E5126T01
(Type: HV Panel Mold BCM)

Brand Name(s): VICOR

Parameters:

Rated Input Voltage:	410 VDC
Rated Output Voltage:	51.0 VDC
Rated Output Current:	26 A
Rated Output Power:	1200 W
Degree of Protection:	IPX0

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

License Conditions: The HV Panel Mold BCM series of DC-DC converters are designed for building-in.

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. Output voltages less than 42.4Vdc derived may be considered ES1
4. Output voltages greater than 42.4Vdc may be considered ES2 due to repetitive pulse re-start attempts during fault conditions (hiccup mode)
5. The BCMs require an external fuse in the end use application. Eaton PC-Tron rated 5A, Littelfuse 487 series rated 10A, or a Littelfuse 505 series rated 10A
6. All models must be mounted on minimum V-1 flame rated board



America

CERTIFICATE

No. U10 021433 0675 Rev. 00

VICHIP High Voltage Panel Mold BCM

Model Matrix: BCMbbbcdddeffxyz

Example: BCM380P475T1K2A30

BCM = Constant

BCM Family (Buss Converter Module)	
BCM	Standard version
MBCM	MIL-COTS version

bbb = 380

Nominal Input Voltage (Input Voltage Range) Vdc			
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 or L	No Leads or Leadless (for VIA Applications)

ddd = 475

Output Voltage Designator, Nominal Vout = Designator / 10			
120	12.0Vdc	475	47.5Vdc
240	24.0Vdc	500	50.0Vdc
338	33.8Vdc		

e = T

Temperature Grade (Operating internal temperature range)					
T	-40 to 125°C	M	-55 to 125°C	C	-20 to 125°C
Maximum internal temperature, controlled by maintaining the Maximum defined Case Temperature. See derating curves.					

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

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America

CERTIFICATE

No. U10 021433 0675 Rev. 00

VICHIP High Voltage Panel Mold BCM

Alternate Model Matrix: BCM6123bccdwwxyzz

Example: BCM6123TD1E5126T01

BCM = Constant

Product Function	
BCM	Bus Converter Module

6123 = Constant

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

b = T

Lead Designator	
N or L	No Leads or Leadless
T	Through-Hole

cc = D1

Input Voltage (Vin range)	
C3	330Vdc (200-330V)
D0	400Vdc (200-400V)
D1	410Vdc (200-410V)

d = E

Range Ratio (Vin high / Vin low)	
E	1.61
G	1.95
H	2.14

ww = 51

Output Voltage max (Nominal)					
13	13V (12.0V)	41	41V (33.8V)	51	51V (47.5V)
26	26V (24.0V)	50	50V (33.8V)		

xx = 26

Output Current							
17	17.5 A	30	30.0 A	35	35.0 A	68	68.0 A
26	25.7 A	32	32.0 A	62/63	62.5 A	A2/A3	125 A
See attached de-rating curves for corresponding maximum output power Through hole pins on ends MNL = 35A / 1750W Through hole pins on side MNL = 125V / 1500W							

y = T

Temperature Grade (Operating internal temperature range)		
C	Commercial	-20 to 125°C
T	Industrial	-40 to 125°C
M / S	MIL-COTS	-55 to 125°C
E	Economy	0 to 125°C
Maximum internal temperature, controlled by maintaining the Maximum defined Case Temperature. See derating curves.		

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

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

CERTIFICATE

No. B 021433 0676 Rev. 00

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

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
DC-DC Converter

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 72196434-000

Valid until: 2029-01-28

Date, 2024-02-01

(William J. Stinson)



Product Service

CERTIFICATE

No. B 021433 0676 Rev. 00

Model(s): BCM380P475T1K2A30
BCM6123TD1E5126T01
(Type: HV Panel Mold BCM)

Brand Name: VICOR

Parameters:

Rated Input Voltage:	410 VDC
Rated Output Voltage:	51.0 VDC
Rated Output Current:	26 A
Rated Output Power:	1200 W
Degree of Protection:	IPX0

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5. The BCMs require an external fuse in the end use application. Eaton PC-Tron rated 5A, Littelfuse 487 series rated 10A, or a Littelfuse 505 series rated 10A
6. All models must be mounted on minimum V-1 flame rated board

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No. B 021433 0676 Rev. 00

VICHIP High Voltage Panel Mold BCM

Model Matrix: BCMbbbcdddeffxyz

Example: BCM380P475T1K2A30

BCM = Constant

BCM Family (Buss Converter Module)	
BCM	Standard version
MBCM	MIL-COTS version

bbb = 380

Nominal Input Voltage (Input Voltage Range) Vdc			
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 or L	No Leads or Leadless (for VIA Applications)

ddd = 475

Output Voltage Designator, Nominal Vout = Designator / 10			
120	12.0Vdc	475	47.5Vdc
240	24.0Vdc	500	50.0Vdc
338	33.8Vdc		

e = T

Temperature Grade (Operating internal temperature range)					
T	-40 to 125°C	M	-55 to 125°C	C	-20 to 125°C
Maximum internal temperature, controlled by maintaining the Maximum defined Case Temperature. See derating curves.					

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

CERTIFICATE

No. B 021433 0676 Rev. 00

VICHIP High Voltage Panel Mold BCM

Alternate Model Matrix: BCM6123bccdwwxyzz

Example: BCM6123TD1E5126T01

BCM = Constant

Product Function	
BCM	Bus Converter Module

6123 = Constant

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

b = T

Lead Designator	
N or L	No Leads or Leadless
T	Through-Hole

cc = D1

Input Voltage (Vin range)	
C3	330Vdc (200-330V)
D0	400Vdc (200-400V)
D1	410Vdc (200-410V)

d = E

Range Ratio (Vin high / Vin low)	
E	1.61
G	1.95
H	2.14

ww = 51

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xx = 26

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00	Analog Control Interface
01	Digital Control Interface
0R	Analog Control Interface with Reversible Operation
0P	Digital Control Interface with Reversible Operation

Tested according to: EN IEC 62368-1:2020/A11:2020