



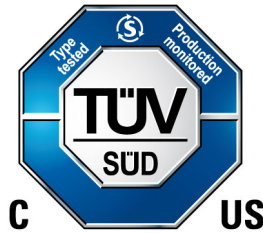
America

CERTIFICATE

No. U8V 021433 0652 Rev. 01

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

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. 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". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 72166839-000

Date, 2022-01-11

(William J. Stinson)



America

CERTIFICATE

No. U8V 021433 0652 Rev. 01

Model(s): High Voltage VIA DCM3714 Series

Brand Name: VICOR

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

Parameters: Model: **DCM3714VD2H53F0T01**

Rated Input Voltage: 420 VDC max
Rated Output Voltage: 53 VDC
Rated Output Power: 600W max
Protection Class: I
Degree of Protection: IPX0

License Conditions:

The High Voltage VIA DCM3714 series 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. The output is separated from the input by reinforced insulation.
2. The output is considered ES1.
3. See de-rating curve for maximum output power vs. case temperature. The de-rating curves represent the maximum operating conditions of the product family. Some model numbers may be rated less than the maximum operating conditions.
4. The case must be connected to protective earth in the end application.
5. The High Voltage VIA DCMs were evaluated with an EATON (Bussmann) PC-Tron fuse rated 5A and a Littelfuse 487 series rated 8A.



America

CERTIFICATE

No. U8V 021433 0652 Rev. 01

High Voltage VIA DCM3714

Model Number Matrix: DCM3714cddewwxyzz

Example: DCM3714VD2H53F0T01

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

3714 = Constant

Package Designator	
3714	3.7 x 1.4 inches

c = V

Package Type	
V	Chassis mount
B	Board mount

dd = D2

Maximum Input Voltage = 1 st character + 2 nd character (see table below, not to exceed 420V)							
1 st character		2 nd character					
A	100V	0	0 V	4	40 V	8	80 V
B	200V	1	10 V	5	50 V	9	90 V
C	300V	2	20 V	6	60 V		
D	400V	3	30 V	7	70 V		
Examples: D2 = 420V (400V+20V), C0 = 300V (300V+0V), B9 = 290V (200V+90V), B7 = 270V (200V+70V)							

e = H

Range Ratio (Vin high / Vin low, defines low line)							
A	1.10	G	1.95	N	3.45	U	6.12
B	1.21	H	2.14	P	3.80	V	6.73
C	1.33	J	2.36	Q	4.18	W	7.40
D	1.46	K	2.59	R	4.60	X	8.14
E	1.61	L	2.85	S	5.05	Y	8.95
F	1.77	M	3.14	T	5.60	Z	9.85

ww = 53

Maximum Output Voltage (any 2 digits up to 60), non-inclusive list of examples	
06	6Vdc (5V nominal +10% trim)
13	13Vdc (12V nominal +10% trim)
17	17Vdc (15V nominal +10% trim)
26	26Vdc (24V nominal +10% trim)
31	31Vdc (28V nominal +10% trim)
53	53Vdc (48V nominal +10% trim)



America

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No. U8V 021433 0652 Rev. 01

xx = F0

Maximum Output Power = 1 st character + 2 nd character (see table below, not to exceed 600W)					
1 st character		2 nd character			
A	100 W	0	0 W	5	50 W
B	200 W	1	10 W	6	60 W
C	300 W	2	20 W	7	70 W
D	400 W	3	30 W	8	80 W
E	500 W	4	40 W	9	90 W
F	600 W				

Examples: F0 = 600W (600W+0W), E0 = 500W (500W+0W), D7 = 470W (400W+70W), C5 = 350W (300W+50W)

y = T

Temperature Grade (Operating internal temperature range)	
C	-20 to 125°C
T	-40 to 125°C
M	-55 to 125°C

The operating internal temperature is controlled by maintaining the case temperature specified on the de-rating curves

zz = 01

Options (non-safety related)	
01	Any alphanumeric



Product Service

CERTIFICATE

No. B 021433 0653 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.: 72166839-000

Valid until: 2026-11-29

Date, 2022-01-12

(William J. Stinson)



Product Service

CERTIFICATE

No. B 021433 0653 Rev. 00

Model(s): High Voltage VIA DCM3714 Series

Brand Name: VICOR

Parameters: Model: **DCM3714VD2H53F0T01**

Rated Input Voltage: 420 VDC max
Rated Output Voltage: 53 VDC
Rated Output Power: 600W max
Protection Class: I
Degree of Protection: IPX0

License Conditions:

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2. The output is considered ES1.
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5. The High Voltage VIA DCMs were evaluated with an EATON (Bussmann) PC-Tron fuse rated 5A and a Littelfuse 487 series rated 8A.

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No. B 021433 0653 Rev. 00

High Voltage VIA DCM3714

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Package Designator	
3714	3.7 x 1.4 inches

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Package Type	
V	Chassis mount
B	Board mount

dd = D2

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ww = 53

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26	26Vdc (24V nominal +10% trim)
31	31Vdc (28V nominal +10% trim)
53	53Vdc (48V nominal +10% trim)

CERTIFICATE

No. B 021433 0653 Rev. 00

xx = F0

Maximum Output Power = 1 st character + 2 nd character (see table below, not to exceed 600W)					
1 st character		2 nd character			
A	100 W	0	0 W	5	50 W
B	200 W	1	10 W	6	60 W
C	300 W	2	20 W	7	70 W
D	400 W	3	30 W	8	80 W
E	500 W	4	40 W	9	90 W
F	600 W				

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T	-40 to 125°C
M	-55 to 125°C

The operating internal temperature is controlled by maintaining the case temperature specified on the de-rating curves

zz = 01

Options (non-safety related)	
01	Any alphanumeric

Tested according to: EN 62368-1:2014/A11:2017