



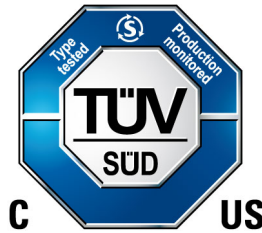
America

CERTIFICATE

No. U8V 021433 0655 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

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.: 72166838-000

Date, 2021-12-08

(William J. Stinson)



America

CERTIFICATE

No. U8V 021433 0655 Rev. 00

Model(s): DCM3414V50M13C2T09
Type: Low Voltage VIA DCM3414 Series

Brand Name: VICOR

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

Parameters:

Rated Input Voltage:	50 VDC
Rated Output Voltage:	13 VDC
Rated Output Power:	320W max
Degree of Protection:	IPX0

License Conditions:

The Low Voltage VIA DCM3414 series of DC-DC converters is designed for building-in.

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

1. The VIA output is separated from the input by basic insulation
2. The input is intended to be a ES1 or ES2. The output is considered ES1
3. See de-rating curves for maximum output power vs. case temperature
4. The VIA DCM's were evaluated with external fuse rated 30A. EATON (Cooper/Bussmann) ABC series or Littelfuse Nano2 series



America

CERTIFICATE

No. U8V 021433 0655 Rev. 00

Low Voltage VIA DCM3414

Model Number Matrix: DCM3414bccdwwxyzz

Example: DCM3414V50M13C2T09

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

3414 = Constant

Package Size (Length x Width)	
3414	3.4 in x 1.4 in

b = V

Package Type	
V	Chassis mount
B	Board mount

cc = 50

Max Input Voltage	
50	50 Vdc
75	75 Vdc

d = M

Range Ratio (Vin high / Vin low), used to define low line Vin			
A	1.10	G	1.95
B	1.21	H	2.14
C	1.33	J	2.36
D	1.46	K	2.59
E	1.61	L	2.85
F	1.77	M	3.14

ww = 13

Maximum Output Voltage rounded to the nearest Volt (Vout nominal + 10% trim), any 2 digits from 00 to 60, non-inclusive list of examples below			
04	3.6 Vdc (3.3 Vdc + 10%)	26	26.4 Vdc (24.0 Vdc + 10%)
06	5.5 Vdc (5.0 Vdc + 10%)	31	30.8 Vdc (28.0 Vdc + 10%)
13	13.2 Vdc (12.0 Vdc + 10%)	40	39.6 Vdc (36.0 Vdc + 10%)
17	16.5 Vdc (15.0 Vdc + 10%)	53	52.8 Vdc (48.0 Vdc + 10%)

xx = C2

Maximum Output Power	
A6	160 W
A8	180 W
C2	320 W

y = T

Temperature Grade (operating internal temperature range)			
C	-20 to 125°C	T	-40 to 125°C
M	-55 to 125°C	S	-55 to 125°C
The operating internal temperature is controlled by maintaining the case temperature specified on the de-rating curves			

zz = 09

Options (non-safety related), any alphanumeric, non-inclusive list
--

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFIKAT ◆ CERTIFICATE



Product Service

CERTIFICATE

No. B 021433 0656 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.: 72166838-000

Valid until: 2026-12-01

Date, 2021-12-08

(William J. Stinson)

CERTIFICATE

No. B 021433 0656 Rev. 00

Model(s): DCM3414V50M13C2T09
Type: Low Voltage VIA DCM3414 Series

Brand Name: VICOR

Parameters:

Rated Input Voltage:	50 VDC
Rated Output Voltage:	13 VDC
Rated Output Power:	320W max
Degree of Protection:	IPX0

License Conditions:

The Low Voltage VIA DCM3414 series of DC-DC converters is designed for building-in.

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

1. The VIA output is separated from the input by basic insulation
2. The input is intended to be a ES1 or ES2. The output is considered ES1
3. See de-rating curves for maximum output power vs. case temperature
4. The VIA DCM's were evaluated with external fuse rated 30A. EATON (Cooper/Bussmann) ABC series or Littelfuse Nano2 series

CERTIFICATE

No. B 021433 0656 Rev. 00

Low Voltage VIA DCM3414

Model Number Matrix: DCM3414bccdwxyz

Example: DCM3414V50M13C2T09

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

3414 = Constant

Package Size (Length x Width)	
3414	3.4 in x 1.4 in

b = V

Package Type	
V	Chassis mount
B	Board mount

cc = 50

Max Input Voltage	
50	50 Vdc
75	75 Vdc

d = M

Range Ratio (Vin high / Vin low), used to define low line Vin			
A	1.10	G	1.95
B	1.21	H	2.14
C	1.33	J	2.36
D	1.46	K	2.59
E	1.61	L	2.85
F	1.77	M	3.14

ww = 13

Maximum Output Voltage rounded to the nearest Volt (Vout nominal + 10% trim), any 2 digits from 00 to 60, non-inclusive list of examples below			
04	3.6 Vdc (3.3 Vdc + 10%)	26	26.4 Vdc (24.0 Vdc + 10%)
06	5.5 Vdc (5.0 Vdc + 10%)	31	30.8 Vdc (28.0 Vdc + 10%)
13	13.2 Vdc (12.0 Vdc + 10%)	40	39.6 Vdc (36.0 Vdc + 10%)
17	16.5 Vdc (15.0 Vdc + 10%)	53	52.8 Vdc (48.0 Vdc + 10%)

xx = C2

Maximum Output Power	
A6	160 W
A8	180 W
C2	320 W

y = T

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

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

zz = 09

Options (non-safety related), any alphanumeric, non-inclusive list

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