



America

CERTIFICATE

No. U8V 17 04 21433 518

Holder of Certificate: **Vicor Corporation**

25 Frontage Road
Andover MA 01810
USA

Production Facility(ies):

67768

Certification Mark:



Product:

Power supply
DC-DC Converter

Model(s):

DCM3414V50M13C2T09
(3414 VIA DCM Series)
(see certificate attachment for model matrix,
license conditions and rating information)

Parameters:

Rated Input Voltage: 50 V DC
Rated Output Power: 320 W Max
Rated Output Voltage: 13 V DC

Tested according to:

CAN/CSA C22.2 No.60950-1:2007/A2:2014
UL 60950-1:2007/A2:2014
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 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.: 72106922-100

Date, 2017-04-14

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Attachment to Certificate U8V 17 04 21433 518

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25 Frontage Road
Andover, MA 01810 USA



VIA DCM Model Number Matrix: DCMaaaabccddwwxyzz

Example: DCM3414V50M13C2T09

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

aaaa = 3414

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	C2	320 W
A8	180 W		

y = T

Product Grade			
C	-20 to 100°C	T	-40 to 100°C
M	-55 to 100°C	S	-55 to 100°C

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VIA DCM Model Number Matrix: DCMaaaabccdwwxyzz
Example: DCM3414V50M13C2T09 (cont.)

zz = 09

Options (non-safety related), any alphanumeric, non-inclusive list					
Option ID	Pin length	Communication	Option ID	Pin length	Communication
01	----	Analog	07	Short	Remote control
02	----	Digital PMBus	09	Long	Analog
03	----	Remote control	10	Long	Digital PMBus
05	Short	Analog	11	Long	Remote control
06	Short	Digital PMBus			

License Conditions:

The 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 TNV-2 or other non-hazardous secondary circuit, the output is considered SELV
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
5. Outputs above 240W are considered to be at a hazardous energy level

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