Ref. Certif. No.

DE 3 - ITAV1154

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Audio/Video, Information and Communication technology equipment DC-DC converter
Name and address of the applicant	**Vicor Corporation** 25 Frontage Road Andover MA 01810 USA
Name and address of the manufacturer	Vicor Corporation 25 Frontage Road, Andover MA 01810, USA
Name and address of the factory	Vicor Inc. 400 Federal Street, Andover MA 01810, USA
Ratings and principal characteristics	Rated Input Voltage: 50 VDC Rated Output Voltage: 13 VDC Rated Output Power: 320W max Degree of Protection: IPX0
Trade mark (if any)	VICOR
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	**DCM3414V50M13C2T09** Type: Low Voltage VIA DCM3414 Series
Additional information (if necessary)	Certificate DE 3 – 502351 issued 2017-04-18 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
as shown in the Test Report Ref. No. which forms part of this certificate	72166838-000

This CB Test Certificate is issued by the National Certification Body

CB 021433 0654 Rev. 00

Date, 2021-12-08

(William J. Stinson)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Product Service

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Low Voltage VIA DCM3414
Model Number Matrix: DCM3414bccdwwxxyzz
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

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