Ref. Certif. No.

DE 3 - ITAV1193

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	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
Trade mark (if any)	VICOR
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	**High Voltage VIA DCM3714 Series**
Additional information (if necessary)	Certificate DE 3 – 502866 issued 2018-04-03 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	72166839-000

This CB Test Certificate is issued by the National Certification Body

CB 021433 0651 Rev. 00

Date, 2022-01-12

(William J. Stinson)

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

Product Service

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High Voltage VIA DCM3714
Model Number Matrix: DCM3714cddewwxxyzz

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 = 1st character + 2nd character (see table below, not to exceed 420V)							
1st character		2nd 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

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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)

xx = F0

Maximum Output Power = 1st character + 2nd character
(see table below, not to exceed 600W)

1st character		2nd 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

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