

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: DCM3623T75H53C2T00 Rated Input Voltage: 48 V DC Rated Output Voltage: 48 V DC Rated Output Power: 320 W max
Trade mark (if any)	VICHIP
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	VICHIP DCM3623 Series Model: DCM3623T75H53C2T00 DCM28AP280M320A50
Additional information (if necessary)	Certificate DE 3 – 503357 issued 2019-06-12 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with as shown in the Test Report Ref. No. which forms part of this certificate	IEC 62368-1:2018 72162049-000

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This CB Test Certificate is issued by the National Certification Body

CB 021433 0613 Rev. 00

Date, 2020-10-28



(William J. Stinson)

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



Product Service

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VICHIP DCM3623 Model Matrix: DCMbbbccddeffxyz

Example: DCM28AP280M320A50

DCM = Constant

DCM series DC-DC Converter Module	
DCM	Standard version
MDCM	Military version

bbb = 28A

Input Voltage: Rated Nominal (range)			
20A	20 Vdc (10-30)	30A	30 Vdc (9-50)
24A	24 Vdc (18-36)	48A	48 Vdc (36-75)
28A	28 Vdc (16-50)	70A	70 Vdc (64-75)

c = P

Package Type and Lead designator	
P	Panel Mold Through-hole
L / N	Panel Mold Lead-less

ddd = 280

Output Voltage Designator (can be any three digits 000 to 540, non-inclusive list of examples below)			
050	5.0V	480	48.0V
120	12.0V	528	52.8V
280	28.0V	540	54.0V

e = T

Product Grade	
T	-40 to 125C
M	-55 to 125C
C	0 to 85C

fff = 320

Output Power Designator (can be any three digits 000 to 320 non-inclusive list of examples below), 320W max	
180	180W
200	200W
320	320W

x = A

Revision (non-safety related)	
x	Any alphanumeric character

y = 5

Z = 0

Package Size		Functionality (non-safety related), any alphanumeric character non-inclusive list of examples	
5	3623	0	No communication
		1	Communication enabled
		R	Reversible



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

VICHIP DCM3623 Alternate Model Matrix: DCM3623bccwwxyzz
 Example: DCM3623T75H53C2T00

DCM = Constant	
Product Function	
DCM	DC-DC Converter Module

3623 = Constant	
Package Dimensions (mm)	
3623	36 x 23

b = T

Lead Designator	
T	Through-Hole
L / N	Leadless

ccc = 75H

Nominal Input Voltage (range)	
36G	24V (18-36)
50M	28V (16-50)
50T	30V (9-50)
75H	48V (36-75)
75X	42V (9-75)

ww = 53

Nominal Output Voltage (Trim range = +10% / -15%)			
04	3.3V	26	24.0V
06	5.0V	31	28.0V
13	12.0V	40	36.0V
17	15.0V	53	48.0V

xx = C2

Maximum Output Power			
80	80W	B0	200W
A2	120W	B4	240W
A6	160W	C2	320W
A8	180W		

y = T				ZZ - 00	
Product Grade (Tmax internal, see attachment for external Tcase max)				Options (non-safety related)	
C	0 to 125°C	T	-40 to 125°C	00	Any alphanumeric
M	-55 to 125°C				

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