

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: 48 V DC Rated Output Voltage: 48 V DC Rated Output Power: 300W max Degree of Protection: IPX0 (see model matrix for additional rating information)
Trade mark (if any)	VI Chip
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	B048F480T30A or BCMbbbcddeffxzz
Additional information (if necessary)	Certificate DE 3 – 501548 issued 2015-10-26 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 72166503-000

Page 1 of 4

This CB Test Certificate is issued by the National Certification Body

CB 021433 0630 Rev. 00

Date, 2021-09-06



(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

VI Chip Low Voltage BCM

Model Number Matrix: Bbbbdddeffx

Example: B048F480T30A

B = Constant

Buss Converter Module	
B	Standard BCM

bbb = 048

Input Voltage	Nominal (range)
048	48 Vdc (38-55)

c = F

Package Size	In Board BGA	On Board J-Lead	Through Hole
Full VIC	K	F	T

ddd = 480

Output Voltage Designator			
010	1.0 Vdc	120	12 Vdc
015	1.5 Vdc	160	16 Vdc
030	3.0 Vdc	180	18 Vdc
040	4.0 Vdc	240	24 Vdc
060	6.0 Vdc	320	32 Vdc
080	8.0 Vdc	360	36 Vdc
096	9.6 Vdc	480	48 Vdc

e = T

Temperature Grade (Operating internal temperature range)	
T	-40 to 125°C
M	-55 to 125°C
Maximum internal temperature, controlled by maintaining the Maximum defined external Case Temperature. See License Conditions.	

ff = 30

Output Power Designator	
12	120 W
14	140 W
17	170 W
20	200 W
21	210 W
24	240 W
30	300 W

x = A

Revision (optional, non-safety related)	
x	Any alphanumeric character

(William J. Stinson)



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

VI Chip Low Voltage BCM alternate Model Number Matrix: BCMbbbdddeffxzz

Example: BCM48BF240T300A00

BCM = Constant

Buss Converter Module	
BCM	Standard version
MBCM	Mil-COTS version

bbb = 48B

Input Voltage	Nominal (range)
48B	48 Vdc (38-55)

c = F

Package Size and Lead Designator	
F	Full VI Chip J-Lead
T	Full VI Chip Though-hole

ddd = 240

Output Voltage Designator (can be any three digits from 010 to 480) Vout = (designator / 10), non-inclusive list of examples below			
010	1.0 Vdc	120	12 Vdc
015	1.5 Vdc	160	16 Vdc
030	3.0 Vdc	180	18 Vdc
040	4.0 Vdc	240	24 Vdc
060	6.0 Vdc	320	32 Vdc
080	8.0 Vdc	360	36 Vdc
096	9.6 Vdc	480	48 Vdc

e = T

Temperature Grade (Operating internal temperature range)	
T	-40 to 125°C
M	-55 to 125°C
Maximum internal temperature, controlled by maintaining the Maximum defined external Case Temperature. See License Conditions.	

fff = 300

Output Power Designator (can be any three digits from 120 to 300) non-inclusive list of examples below, 300W Max			
120	120 W	210	210 W
140	140 W	240	240 W
170	170 W	300	300 W
200	200 W		



(William J. Stinson)





Ref. Certif. No.

DE 3 - ITAV1039

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

x = A

Revision (non-safety related)	
x	Any alphanumeric character

zz = 00

Customer reference (non-safety related)	
zz	Any alphanumeric character

Page 4 of 4

This CB Test Certificate is issued by the National Certification Body

CB 021433 0630 Rev. 00

Date, 2021-09-06

(William J. Stinson)

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



Product Service