



Ref. Certif. No.

DE 3 - 501548

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product

Produit

Name and address of the applicant

Nom et adresse du demandeur

Name and address of the manufacturer

Nom et adresse du fabricant

Name and address of the factory

Nom et adresse de l'usine

Ratings and principal characteristics

Valeurs nominales et caractéristiques principales

Trade mark (if any)

Marque de fabrique (si elle existe)

Type of Manufacturer's Testing Laboratories used

Type de programme du laboratoire d'essais constructeur

Model/type Ref.

Ref. de type

Additional information (if necessary)

Information complémentaire (si nécessaire)

A sample of the product was tested and found
to be in conformity with

Un échantillon de ce produit a été essayé et a été
considéré conforme à la

as shown in the Test Report Ref. No.

which forms part of this certificate

comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificat

Converter

DC to DC Converter

Vicor Corporation

25 Frontage Road

Andover MA 01810, USA

Vicor Corporation

25 Frontage Road, Andover MA 01810, USA

Vicor Inc.

400 Federal Street, Andover MA 01810, USA

Rated Input Voltage: 48 V DC

Rated Output Voltage: 12 V DC

Rated Output Power: 120 W Max

Protection Class: II

See attachment for additional rating
information.

V•I CHIP FACTORIZED POWER

CTF Stage 3

BCM Model: B048F480T30A

BCM2 Model: BCMbbbcdddefffxzz

See attachment for model nomenclature.

Certificate DE 3 – 500685 issued 2014-02-17 is replaced by this
version due to technical changes

IEC 60950-1(ed.2);am1;am2

090-1008657-300

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Date,

2015-10-26

CB 15 10 21433 462

William Stinson



TÜV SÜD Product Service GmbH · Certification Body · Ridlerstrasse 65 · D-80339 München

Product Service

Attachment to Certificate CB 15 10 21433 462

VI Chip BCM Model Number Matrix: Bbbbcdddeffx (Example: B048F480T30A)

B = Constant

Buss Converter Module	
B	Standard BCM

bbb = 048

1 INPUT VOLTAGE	2 NOMINAL (RANGE)
048	48 Vdc (38-55)

c = F

Package Size	In Board BGA	On Board J-Lead	Through Hole
3FULL 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

3 PRODUCT GRADE	
T	-40 to 125C
M	-55 to 125C

ff = 30

4 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

5 REVISION (OPTIONAL, NON-SAFETY RELATED)	
x	Any alphanumeric character

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VI Chip BCM2 Model Number Matrix: BCMbbbcdddeffxzz (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)
48C	48 Vdc (42-53)
48D	48 Vdc (38-60)

c = F

6	PACKAGE SIZE AND LEAD DESIGNATOR
7 F	Full VI Chip J-Lead
T	Full VI Chip Through-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

8	PRODUCT GRADE
T	-40 to 125C
M	-55 to 125C

fff = 300

Output Power Designator (can be any three digits from 120 to 300)

non-inclusive list of examples below

120	120 W	210	210 W
140	140 W	240	240 W
170	170 W	300	300 W
200	200 W		

x = A

Revision (non-safety related)

x	Any alphanumeric character
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zz = 00

Customer reference (non-safety related)

zz	Any alphanumeric character
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