



Ref. Certif. No.

DE 3 - 56129M2

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC**Product
ProduitDC converter
DC-DC ConverterName and address of the applicant
Nom et adresse du demandeurVicor Corporation
25 Frontage Road
Andover, MA 01810, USAName and address of the manufacturer
Nom et adresse du fabricant

Vicor Corporation, 25 Frontage Road, Andover, MA 01810, USA

Name and address of the factory
Nom et adresse de l'usine

Vicor Corporation, 25 Frontage Road, Andover, MA 01810, USA

Rating and principal characteristics
Valeurs nominales et caractéristiques principalesRated Input Voltage: 384 V DC
Rated Output Voltage: 12 V DC
Rated Output Power: 300 W max
Protection Class: IITrade mark (if any)
Marque de fabrique (si elle existe)

Vicor

Model/type Ref.
Ref. de typeB384F120T30
See attachment for additional model information
and license conditions.Additional information (if necessary)
Information complémentaire (si nécessaire)

SMT Procedure

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

IEC 60950-1:2001

Un échantillon de ce produit a été essayé et a été
considéré conforme à laas shown in the Test Report Ref. No.
which form part of this certificate
comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificatTÜV SÜD Product Service
090-701315-200This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**Date, 2007-08-13
CB 07 08 21433 139

Joseph Janeliunas

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



Product Service

Attachment to Certificate Number CB 07 08 21433 139

Company: Vicor Corporation
25 Frontage Road
Andover, MA 01810 USA

License Conditions:

Special Considerations – The following items are considerations that were used when evaluating these products.

The BCM family of DC-DC converters are designed for building-in.

Conditions of Acceptability – When installed in the end use equipment, the following are among considerations to be made:

1. **Input Voltage:** Nameplate rating is a nominal input voltage. Vicor Guarantees continuous operation per specifications.
2. **Max Temperature:** Keep the maximum semiconductor junction temperature 125°C or less. This can be achieved in one of two ways.
Keep $T_{casemax} < 100C$ under all conditions where $T_{casemax}$ is the maximum case temp of the VI Chip, or Keep $T_{casemax} < 125C - (P_{dissmax} \times 1.5)$ under all conditions
 $P_{dissmax}$ is the maximum power dissipation of the module at temperature, defined by $P_{Input_max} - P_{Output_max}$ where P_{Output_max} is defined as the maximum output power in the application
3. **Overtemperature:** If the internal semiconductor junction temperature exceeds 125°C, the VI Chip may be damaged.
4. **Fusing Requirements:** To meet safety requirements, the input of the BCM module requires a fuse rated 2.5 A or less. Bussmann PC-tron or SOC type 36CFA.
5. The input is intended to be supplied from a non isolated offline circuit. The output is considered to be SELV.
6. Outputs above 240 Watts are considered to be at a hazardous energy level.
7. The output is separated from the input by reinforced insulation.

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25 Frontage Road
Andover, MA 01810 USA

High Voltage BCM Family Tree Model abbbcddeff

a =	Product Type
B	BCM
bbb =	Input Voltage
352	330-365 Vdc
384	360-400
c =	Lead Type
K	BGA
F	J Lead
G	Gull Wing
ddd =	Output Voltage
110	11 Vdc
120	12 Vdc
e =	Product Grade
T	-40 to 125 C
M	-55 to 125 C
ff =	Output Power
24	240W
30	300W

Customer Special, VIZ0002 = B352F110T30

Example # 1: B384F120T30

BCM, 384 Vin, J Lead, 12 Vout, T Grade, 300W

Example # 2: B352F110T30

BCM, 352 Vin, J Lead, 11 Vout, T Grade, 300W

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