



Ref. Certif. No.

DE 3 - 502226

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

Converter
DC to DC Converter

Name and address of the applicant
Nom et adresse du demandeur

Vicor Corporation
25 Frontage Road
Andover MA 01810, USA

Name 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 Inc.
400 Federal Street, Andover MA 01810, USA

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Rated Input Voltage: 45 V DC
Rated Output Voltage: 48 V DC
Rated Output Power: 270 W
Protection Class: III
Degree of Protection: IPX0

Trade mark (if any)
Marque de fabrique (si elle existe)

VI CHIP FACTORIZED POWER

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

CTF Stage 3

Model/type Ref.
Ref. de type

Half PRM Model: VIP0101THJ
(see attachment for model nomenclature)

Additional information (if necessary)
Information complémentaire (si nécessaire)

Certificate DE 3 – 500855 issued 2014-06-06 is replaced by this
version due to technical changes

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

IEC 60950-1:2005
IEC 60950-1:2005/AMD1:2009
IEC 60950-1:2005/AMD2:2013

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

D11405893-100

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, 2017-01-12
CB 17 01 21433 501

William Stinson



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

Product Service

Attachment to Certificate CB 17 01 21433 501

VI Chip Half PRM model matrix: ViP01wwxHy

Example #1, VIP0101THJ

V = Constant

I =	PRM Type
I	Standard PRM
M	MIL-COTS PRM

P01 = Constant

ww = defines electrical ratings				
Model	Vin Nom (range)	Vout	Pout	Feedback Style
00	45 Vdc (38-55)	0-55 Vdc	200 W	Remote Sense
01	45 Vdc (38-55)	0-55 Vdc	200 W	Remote Sense
02	45 Vdc (38-55)	0-55 Vdc	200 W	Adaptive Loop

x =	Product Grade	Temp Range
T	Telecom	-40 - 100 C
M	MIL-COTS	-55 - 100 C

H = Constant for Half VIC Package Size

y =	Lead Designator
J	J-Lead
T	Through-Hole

Customer Special Models

Customer Special Model Numbers	Equivalent Standard Model Numbers
VIZ0050, VIZ0050x (see license conditions)	VIP0101THJ
x = revision, any letter A through Z, non-safety related	

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VI Chip Half PRM2 model matrix: PRMbbbccddefffxzz

Example: PRM48BH480T200A00

PRM = Constant

PRM series (Pre-regulator Module)	
PRM	Standard version
MPRM	MIL-COTS version

bbb = 48B

Input Voltage	Nominal (range)
48A	48 Vdc (36-75)
48B	48 Vdc (38-55)
48D	48 Vdc (38-60)

Input Voltage	Nominal (range)
48J	48 Vdc (42-55)
48N	48 Vdc (38-55)

c = H

Package Size and Lead Designator	
H	Half VI Chip J-Lead

ddd = 480

Output Voltage Designator (range)	
480	48.0 Vdc (5-55)

e = T

Product Grade	
T	-40 to 125°C
M	-55 to 125°C

fff = 200

Output Power Designator (can be any three digits up to 270 max) non-inclusive list of examples below			
100	100W	250	250W
200	200W	270	270W

x = A

Revision (non-safety related)	
x	Any alphanumeric character

zz = 00

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

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Half Size Customer Configured PRM2 Model Number: PRMxyaa-zzzzzz
Example: PRM2A03-123456

PRM = Constant

PRM Series (Pre-regulator Module)

x = 2

Controller Revision, 0 through 9 (non-safety related)

y = A

Product Revision, A through Z (non-safety related)

aa = 03

Hardware Configuration, max ratings, actual ratings may be less

HW Configuration	Vin (Vdc)	Vout (Vdc)	Pout (W)
03 = Half size narrow voltage range	48Vdc (38-55)	48 Vdc (20-55)	270W
04 = Half size wide voltage range	48Vdc (36-75)	48 Vdc (20-55)	200W

zzzzzz = 123456

Any 6 digit numeric combination, customer specific configuration, non-safety related, J-Lead or Through-Hole, T or M grade, and Feedback Style

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