



Ref. Certif. No.

DE 3 - 501251

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: 400 W
Degree of Protection: IPX0
See attachment for additional rating information

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

V·I CHIP FACTORIZED POWER

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

SMT

Model/type Ref.
Ref. de type

PRM Model: P045F048T40RS
(See attachment for model nomenclature.)

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

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

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

72103262-000

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, 2015-03-13
CB 15 03 21433 431

William Stinson



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

Product Service

Attachment to Certificate CB 15 03 21433 431

VI Chip PRM Model Number: Pbbbccddeffxx Example: P045F048T40RS

P = P

PRM Family (Pre-regulator Module)			
P	Constant	MP	Military version

bbb = 045

Input Voltage	Nominal (range)	Input Voltage	Nominal (range)
024	24 Vdc (18-36)	045	45 Vdc (38-55)
028	28 Vdc (16-50)	048	48 Vdc (36-75)
036	36 Vdc (18-60)		

c = F

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

ddd = 048

Output Voltage Designator			
036	36.0 Vdc (26-55)	048	48.0 Vdc (26-55)

e = T

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

ff = 32

Output Power Designator (can be any two digits from 01 to 60) non-inclusive list of examples below							
12	120 W	17	170 W	25	250 W	40	400 W
15	150 W	24	240 W	32	320 W	60	600 W

xx = AL

Feedback Style Designator (optional)			
AL	Adaptive Loop	RS	Remote Sense

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Customer Special Models:

CUSTOMER SPECIAL Model Numbers	Equivalent Standard Model Number
VIP0001, VIP0001x	P045F048T40RS
VIZ0017, VIZ0017x	P045F048T32AL
VIZ0032, VIZ0032x	P048F048T24AL
VIZ0036, VIZ0036x	P045F048T32AL
VIZ0051, VIZ0051x (see license conditions)	P045F048T40RS
VIZ0055x (see license conditions)	P045F048T60RS
VIZ0067, VIZ0067x	P045F048T32AL
MP028F036M12AL, VIZ0076, VIZ0076x	P028F036M12AL
VIZ0079, VIZ0079x	P036F048T12AL
VIZ0081, VIZ0081x	P048F048T24AL
VIZ0082, VIZ0082x	P045F048T32AL

x = revision, any letter A through Z, non-safety related

VI Chip PRM2 Model Number: PRMbbbcddeffxzz

Example: PRM48BF480T400A00

PRM = Constant

PRM Family (Pre-regulator Module)	
PRM	Standard version
MPRM	Mil-COTS version

bbb = 48B

Input Voltage	Nominal (range)	Input Voltage	Nominal (range)
24A	24 Vdc (18-36)	48A	48 Vdc (36-75)
28A	28 Vdc (16-50)	48B	45 Vdc (38-55)
28B	28 Vdc (5-50)	48D	48 Vdc (38-60)
36A	36 Vdc (18-60)	48J	48 Vdc (42-55)
36B	36 Vdc (26-50)	48N	48 Vdc (36-60)

c = F

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

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ddd = 480

Output Voltage Designator	
360	36.0 Vdc (5-55)
480	48.0 Vdc (5-55)

e = T

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

fff = 400

Output Power Designator (can be any three digits from 001 to 600) non-inclusive list of examples below			
120	120W	320	320W
170	170W	400	400W
200	200W	500	500W
240	240W	600	600W

x = A

Revision (non-safety related)	
x	Any alphanumeric character

zz = 00

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

Customer Special Models:

Customer special Model Numbers	Equivalent Standard Model Number
VIZ0055, VIZ0055x (see license conditions)	PRM48BF480T600A00

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Customer Configured Full Size VI Chip PRM Model Number: PRMxy-aazzzzzz

Example: PRM2A-01zzzzzz

PRM = Constant

PRM Family (Pre-regulator Module)

x = 2

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

y = A

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

aa = 01

Hardware Configuration, max ratings, actual ratings may be less

HW Configuration	Vin (Vdc)	Vout (Vdc)	Pout (W)
01 = full size narrow range	38-55V	55V	500W
02 = full size wide range	36-75V	55V	400W

zzzzzz = configuration

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

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