



Ref. Certif. No.

JP-21271-M1-UL

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095 JAPAN

Name and address of the manufacturer

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095 JAPAN

Name and address of the factory

NIPRON CO LTD
2-57 OHAMA-CHO AMAGASAKI-SHI HYOGO-KEN 660-0095
JAPAN

Note: When more than one factory, please report on page 2

☒ [Additional Information on page 2](#)

Ratings and principal characteristics

See page 2 and 3

Trademark (if any)

None

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

OZP-350-12, mOZP-350-12, OZP-350-15, mOZP-350-15, OZP-350-24,
mOZP-350-24, OZP-350-30, mOZP-350-30, OZP-350-36, mOZP-350-36,
OZP-350-48, mOZP-350-48, OZPa-350-12V/bcd, OZPa-350-24V/bcd,
OZPa-350-30V/bcd, OZPa-350-36V/bcd, OZPa-350-48V/bcd,
OZD-350-HV/12V, OZD-350-HV/24V, OZD-350-HV/30V, OZD-350-HV/36V,
and OZD-350-HV/48V (maybe followed by suffix "-xyfnnzghij")

PS-10WP-5VSB*
PS-10WP-12VSBnz
(Refer to Test Report for nomenclature details)

Additional information (if necessary may also be reported on page 2)

(Technical Modification)
Additionally evaluated to: EN 62368-1:2014/A11:2017
National Differences specified in the CB Test Report.
☒ [Additional Information on page 2](#)

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

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

E161936-A6007-CB-1 issued on 2021-12-18

This CB Test Certificate is issued by the National Certification Body



- ☐ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☒ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2021-12-18

Original Issue Date: 2019-11-11

Signature:

M. Takagi
Masamichi Takagi



Ref. Certif. No.

JP-21271-M1-UL

Factory(ies):

NIPRON CO LTD
3249 OIZU INDUSTRIAL PARK IN OYODO KOGYO DANCHI OAZA-YAMAOIZU AZA-NAKAJIMA MEIWA-CHO TAKI-GUN
MIE-KEN 515-0303
JAPAN

Ratings:

OZP-350-12

Input: 100-240 Vac, 4.8 A, 50-60 Hz

Output: 12 Vdc, 25 A (42 or 58.3 Apeak)

mOZP-350-12, and OZPa-350-12V/bcd

Input: 100-240 Vac, 4.8 A, 50-60 Hz

Output: 12 Vdc, 25 A (42 Apeak)

OZP-350-15

Input: 100-240 Vac, 4.8A, 50-60 Hz

Output: 15 Vdc, 20 A (40 or 46.6 Apeak)

mOZP-350-15

Input: 100-240 Vac, 4.8A, 50-60 Hz

Output: 15 Vdc, 20 A (40 Apeak)

OZP-350-24

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 24 Vdc, 14.6 A (25 or 29.1 Apeak)

mOZP-350-24, and OZPa-350-24V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 24 Vdc, 14.6 A (25 Apeak)

OZP-350-30

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 30 Vdc, 11.7 A (20 or 23.3 Apeak)

mOZP-350-30, and OZPa-350-30V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 30 Vdc, 11.7 A (20 Apeak)

OZP-350-36

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 36 Vdc, 9.8 A (16.7 or 19.4 Apeak)

mOZP-350-36, and OZPa-350-36V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 36 Vdc, 9.8 A (16.7 Apeak)

OZP-350-48

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 48 Vdc, 7.3 A (12.5 or 14.5 Apeak)

mOZP-350-48, and OZPa-350-48V/bcd

Input: 100-240 Vac, 5.5 A, 50-60 Hz

Output: 48 Vdc, 7.3 A (12.5 Apeak)

Additional information (if necessary)



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- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
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Masamichi Takagi

OZD-350-HV/12V

Input: 135-370 Vdc, 3.65 A

Output: 12 Vdc, 25 A (42 Apeak)

OZD-350-HV/24V

Input: 135-370 Vdc, 4.1 A

Output: 24 Vdc, 14.6 A (25 Apeak)

OZD-350-HV/30V

Input: 135-370 Vdc, 4.1 A

Output: 30 Vdc, 11.7 A (20 Apeak)

OZD-350-HV/36V

Input: 135-370 Vdc, 4.1 A

Output: 36 Vdc, 9.8 A (16.7 Apeak)

OZD-350-HV/48V

Input: 135-370 Vdc, 4.1 A

Output: 48 Vdc, 7.3 A (12.5 Apeak)

PS-10WP-5VSB*

Input: 134-386 Vdc, 0.08 A

Output: 5 Vdc, 1.5 A (2 Apeak)

PS-10WP-12VSBnz

Input: 134-386 Vdc, 0.08 A

Output: 12 Vdc, 0.63 A (0.85 Apeak)

Summary of Modifications:

- Change suffix from "-xyEnnzghij" to "-xyfnzghij".
- Addition of alternate Inductors (LF1, LF2), Type LT1586.
- Addition of alternate Bridge Capacitors (C113, C134), Type RA.
- Change manufacturer name of Inductor (L3), and Transformer (T3)
- Change manufacturer name of Insulation Tape and Coil Spacer
- Change manufacturer name of Transformers (MT1615, MT1616, MT1690)
- Addition of Insulation System, Type YS-130 to Transformers, Types MT1615, MT1616, MT1690.
- Addition of alternate Bobbin for Transformer, Types MT1615, MT1616, MT1690, Type PM-9823.
- Addition of alternate Coil Spacer of Transformer (T1) for all models, Type WF.
- Change manufacturer name of Optical Isolators (PC1, PC2, PC4, PC5, PC500)
- Correction of type of Optical Isolator (PC1), from "PS2562" to "PS2562L2-1".
- Change manufacturer name of Fusing Resistor (R1), from "Tamura Corp." to "Tamura Corp. or Uchihashi Estec Co., Ltd."
- Change manufacturer name of Inductor (T400), from "Nipron Co., Ltd., East Corp., Axis Corp., Nippon Ceramic Co., Ltd., Prisor Electronics Co., Ltd. or Toho Zinc Co., Ltd." to "Nipron Co., Ltd."
- Replacement of Enclosure Ids. 07-03, 07-04, 07-09, 07-10, 07-18, 07-19, 07-20, 07-21, 07-22, 07-24.
- Deletion of Enclosure Ids. 07-12, 07-13, 07-14, 07-15, 07-16.

Additional information (if necessary)


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- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
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