

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

Switching Power Supply

Name and address of the applicant
Nom et adresse du demandeur

TDK-LAMBDA CORP.,
NAGAOKA TECHNICAL CENTER
2704-1 SETTAYA-MACHI, NAGAOKA-SHI, NIIGATA 940-1195
JAPAN

Name and address of the manufacturer
Nom et adresse du fabricant

TDK-LAMBDA CORP
NAGAOKA TECHNICAL CENTER R&D DIV
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195
JAPAN

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

WUXI TDK-LAMBDA ELECTRONICS CO LTD
NO 6 XING CHUANG ER LU WUXI JIANGSU 214028
CHINA

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page

Additional Information on page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

See Page 2

Trademark (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

ZWS150BAF-3, -5, -12, -15, -24 or -48 may be followed by /xyz
(x is R or blank, y is A or L or blank, z is CO2 or FG or FV or FGM
or SN or blank)

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} page

Additional Information on page 2

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), IEC 60950-1(ed.2);am1,
IEC 60950-1(ed.2);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 partie de ce Certificat

4787190432-2 issued on 2015-12-15

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Denko), 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: 2015-12-17
Original Issue Date: 2015-05-18

Signature:

Akira Kato



Factories:

TDK-LAMBDA MALAYSIA SDN BHD
PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI
MALAYSIA

TDK-LAMBDA MALAYSIA SDN BHD
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING 26070 KUANTAN
MALAYSIA

TDK-LAMBDA CORP
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195
JAPAN

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD
TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE LEYU TOWN ZHANGJIAGANG JIANGSU 215622
CHINA

ALPS LOGISTICS FACILITIES CO LTD
593-1 NISHIOHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831
JAPAN

Ratings:

Input:

Model ZWS150BAF-3:

100-240 Vac, 50/60 Hz, 1.4A

Models ZWS150BAF-5, -12, -15, -24, -48

100-240 Vac, 50/60 Hz, 2.0A

Output:

3.3 Vdc, 30A: ZWS150BAF-3 (DC 2.64 - 3.63 V, max 30A, max 99.0W)

5 Vdc, 30A: ZWS150BAF-5 (DC 4.0 - 5.5 V, max 30A, max 150W)

12 Vdc, 12.5A: ZWS150BAF-12 (DC 9.6 - 13.2 V, max 12.5A, max 150W)

15 Vdc, 10A: ZWS150BAF-15 (DC 12.0 - 16.5 V, max 10A, max 150W)

24 Vdc, 6.3A: ZWS150BAF-24 (DC 19.2 - 26.4 V, max 6.3A, max 151.2W)

48 Vdc, 3.2A: ZWS150BAF-48 (DC 38.4 - 52.8 V, max 3.2A, max 153.6W)

Additional Information:

The original report was modified to include the following changes/additions:

- Minor modifications of description in Table 1.5.1.

Additionally evaluated to EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

National Differences specified in the CB Test Report.

Additional information (if necessary)

Information complémentaire (si nécessaire)



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