

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

CB TEST CERTIFICATE

Product	Built-in Power Supply
Name and address of the applicant	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
Name and address of the manufacturer	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	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	See Page 2
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ZWS240BP-abcdef (a = 24, 36, 48, b = "/" or blank, c = T or blank, d = R or blank, e = A, L or blank, f = CO2, FG or blank), ZWS240BP-48/SE52P
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 60950-1:2006/ A11:2009/ A1:2010/ A12:2011/ A2:2013. National Differences specified in the CB Test Report. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	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	4788715716-1 issued on 2018-11-08

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: 2018-11-13

Original Issue Date: 2017-04-18

Signature:

Masamichi Takagi



Ref. Certif. No.

JP-14241-A2-UL

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

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

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:

Model: ZWS240BP-abcdef
Input: 100-240VAC, 50-60Hz, 3.9A
(depending on the output current)
Output: See Test Report for details.

Model: ZWS240BP-48/SE52P
Input: 200-240 VAC, 50-60 Hz, 1.6 A
Output: See Test Report for details.

Additional Information:
(Technical Modification)

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

- Addition of Alternate Inductor /L3, Tamura Corporation, type TAM25301.
- Addition of Alternate Y-capacitor/ C9, C10, Murata Mfg Co., Ltd., type KX, 1500pF max.
- Minor component changes in Primary and Secondary circuit.
- Addition of alternate circuit diagram, PWB pattern trace and component layout design. (Enclosure Id 3-08, 4-04, 5-02)
- Revision of the title of Enclosure Id 7-03 to "Specification of Inductor/ L3 (TDK-Lambda Corp., Type A25301x (x=A to Z, or blank))".

Additional information (if necessary)



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