

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	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 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 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.	ZWS75BAF-abcdef a = 3, 5, 12, 15, 24, 48. b = "/" or blank. c = A, L or blank. d = CO2 or blank, e = FG or blank, f = FV or blank.
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 62368-1:2014/ A11:2017. 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 62368-1(ed.2)
As shown in the Test Report Ref. No. which forms part of this Certificate	4788529227 issued on 2018-06-14

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/ncbnamesDate: 2018-06-18
Original Issue Date: 2018-04-16

Signature:



Masamichi Takagi



Ref. Certif. No.

JP-20063-M1-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

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

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

Ratings:

Input: 100-240 Vac, 50/60 Hz

0.7 A (for Model ZWS75BAF-3)

1.0 A (for Models ZWS75BAF-5, ZWS75BAF-12, ZWS75BAF-15, ZWS75BAF-24, and ZWS75BAF-48)

Output:

3.3 Vdc, 15 A (Model ZWS75BAF-3)

(2.64 - 3.63 Vdc, maximum 15 A, maximum 49.5 W)

5 Vdc, 15 A (Model ZWS75BAF-5)

(4.0 - 5.5 Vdc, maximum 15 A, maximum 75.0 W)

12 Vdc, 6.3 A (Model ZWS75BAF-12)

(9.6 - 13.2 Vdc, maximum 6.3 A, maximum 75.6 W)

15 Vdc, 5.0 A (Model ZWS75BAF-15)

(12.0 - 16.5 Vdc, maximum 5.0 A, maximum 75.0 W)

24 Vdc, 3.2 A (Model ZWS75BAF-24)

(19.2 - 26.4 Vdc, maximum 3.2 A, maximum 76.8 W)

48 Vdc, 1.6 A (Model ZWS75BAF-48)

(38.4 - 52.8 Vdc, maximum 1.6 A, maximum 76.8 W)

Additional Information:

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

- Addition of alternate Inductor (L5), TDK-Lambda Corp., Type A24851x (x maybe A to Z or blank).
- Addition of alternate Transformer (T1) (for Model ZWS75BAF-15), TDK-Lambda Corp., Type A24850x (x maybe A to Z or blank).
- Update Diagrams 4-04, 4-09

Additional information (if necessary)



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