



Ref. Certif. No.

JP-25457-M3-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	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
Note: When more than one factory, please report on page 2	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See Page 2
Trademark / Brand (if any)	
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)	The report was revised to include technical modifications. Additionally evaluated to: EN IEC 62368-1:2020/A11:2020 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 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E122103-A6164-CB-1 issued on 2023-11-23

This CB Test Certificate is issued by the National Certification Body



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

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2023-11-24  
Original Issue Date: 2021-09-16

Signature: Masamichi Takagi



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**JP-25457-M3-UL**

**Factory(ies):**

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

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

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD  
NO.95, ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028  
CHINA

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

**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)

**Summary of Modifications:**

- Deletion of Factory, ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD
- Addition of alternate X-Capacitor (C1, C4), Xiamen Faratronic Co. Ltd., type MKP62 and Eurotronic (SuZhou) Co. Ltd., type MPX2.
- Correction of type of Inductor (L1) from 1R2A352LK10.5L to 1R2A352K10.5L due to typo.
- Addition of alternate Bobbin material of Inductor (L1), Chang Chun Plastics Co., Ltd., type T375HF.
- Correction of type, Object and Manufacturer name of Bobbin material of Inductor (L4) from "Bobbin of Inductor (L4), EI Dupont De Nemours & Co. Inc., type FR-530" to "Bobbin material of Inductor (L4), Celanese International Corp., type FR530".
- Correction of type of Optocouplers (PC251, PC252) from EL3H7 to EL3H7 V due to typo.
- Update of object, manufacturer name, model name, standard and Mark of conformity of some components of table 4.1.2.
- Addition of China National Differences.
- Update of Japan National Differences.

**Additional information (if necessary)**



- UL Solutions (US), 333 Pflingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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