Test Report issued under the responsibility of:

TÜVRheinland®

TEST REPORT

IEC 60950-1

Information technology equipment – Safety –

Part 1: General requirements

Report Number. ..... :	15077086 002
Date of issue ..... :	20.03.2017
Total number of pages ..... :	15
Applicant's name ..... :	TDK-Lambda Corp. Nagaoka Technical Center
Address ..... :	2704-1 Settaya-machi, Nagaoka-shi, Niigata, 940-1195, JAPAN
Test specification:	
Standard ..... :	IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60950_1F
Test Report Form(s) Originator .... :	SGS Fimko Ltd
Master TRF ..... :	Dated 2014-02

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

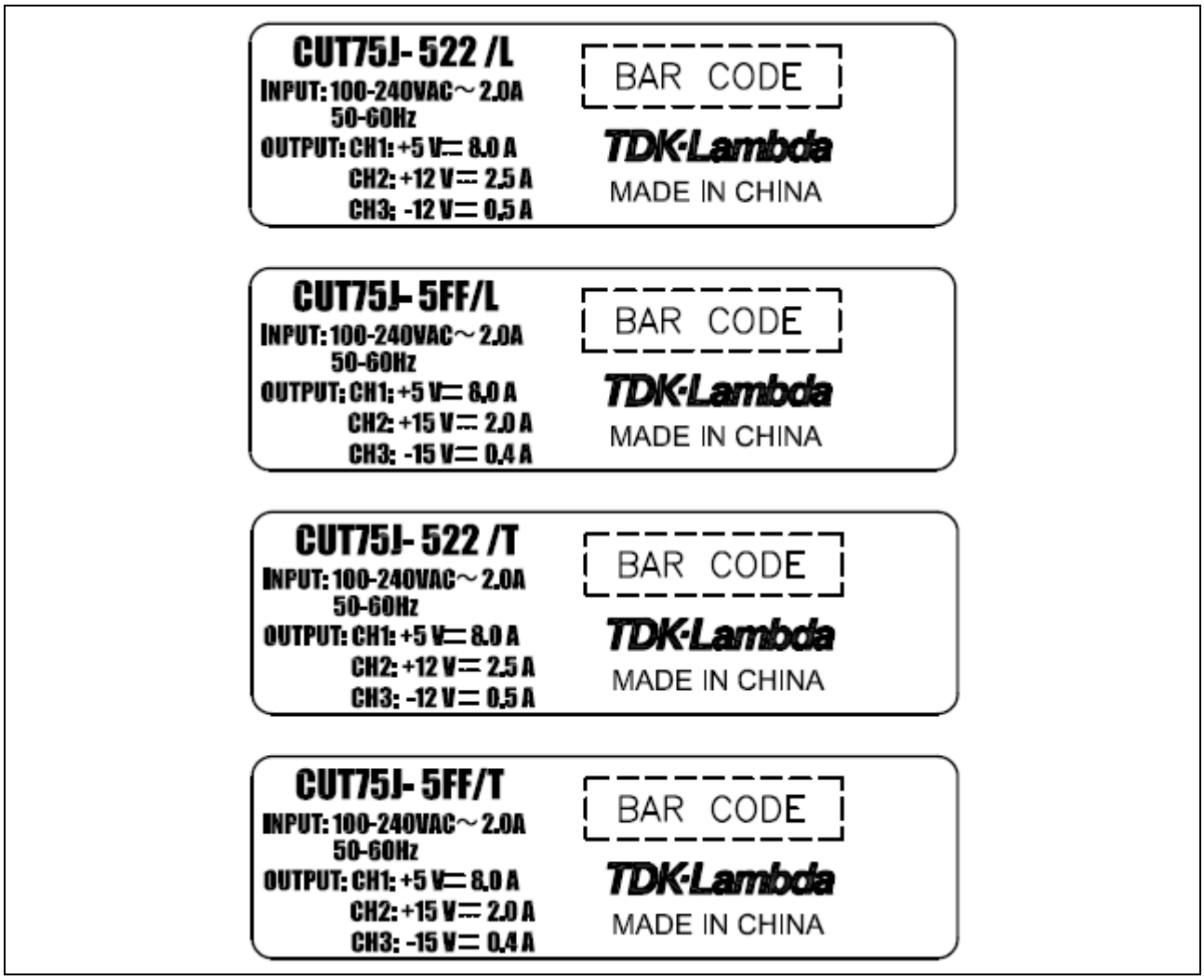
Test item description.....:	Switching Power Supply		
Trade Mark.....:	TDK·Lambda		
Manufacturer.....:	Same as applicant		
Model/Type reference.....:	CUT75-**zzzxxxxxxx**; CUT75J-**zzzxxxxxxx** (**zzz** = 522 or 5FF; **xxxxxxx** = T, B, L, A, F, Q, other alphanumeric character, symbol or blank) Refer to page 8 for definition of variables		
Ratings.....:	See the model list on page 7 for details		
Testing procedure and testing location:			
☒	**CB Testing Laboratory:**	TÜV Rheinland Shanghai Co., Ltd.	
Testing location/ address.....:		No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China	
☐	**Associated CB Testing Laboratory:**		
Testing location/ address.....:			
Tested by (name + signature).....:		Sunny Sun	
Approved by (name + signature).....:		Roy Chen	
☐	**Testing procedure:** **TMP/CTF Stage 1:**		
Testing location/ address.....:			
Tested by (name + signature).....:			
Approved by (name + signature).....:			
☐	**Testing procedure:** **WMT/CTF Stage 2:**		
Testing location/ address.....:			
Tested by (name + signature).....:			
Witnessed by (name + signature).....:			
Approved by (name + signature).....:			
☐	**Testing procedure:** **SMT/CTF Stage 3 or 4:**		
Testing location/ address.....:			
Tested by (name + signature).....:			
Witnessed by (name + signature).....:			
Approved by (name + signature).....:			
Supervised by (name + signature).....:			

List of Attachments (including a total number of pages in each attachment): N/A	
Summary of testing:	
Tests performed (name of test and test clause): No further test is considered necessary.	**Testing location:** TÜV Rheinland Shanghai Co., Ltd. No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China
Summary of compliance with National Differences **List of countries addressed:** EU Group Differences, EU Special National Conditions, CA, US. Explanation of used codes: CA=Canada; US = United States of America. The product fulfils the requirements of EN 60950-1:2006+A11+A1+A12+A2, UL 60950-1:2007 R10.14 and CAN/CSA C22.2 No. 60950-1-07+A1:2011+A2:2014.	

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

<New Models>


CUT75J- 522 /L
INPUT: 100-240VAC~ 2.0A
50-60Hz
OUTPUT: CH1: +5 V⎓ 8.0 A
CH2: +12 V⎓ 2.5 A
CH3: -12 V⎓ 0.5 A
BAR CODE
TDK·Lambda
MADE IN CHINA
CUT75J- 5FF/L
INPUT: 100-240VAC~ 2.0A
50-60Hz
OUTPUT: CH1: +5 V⎓ 8.0 A
CH2: +15 V⎓ 2.0 A
CH3: -15 V⎓ 0.4 A
BAR CODE
TDK·Lambda
MADE IN CHINA
CUT75J- 522 /T
INPUT: 100-240VAC~ 2.0A
50-60Hz
OUTPUT: CH1: +5 V⎓ 8.0 A
CH2: +12 V⎓ 2.5 A
CH3: -12 V⎓ 0.5 A
BAR CODE
TDK·Lambda
MADE IN CHINA
CUT75J- 5FF/T
INPUT: 100-240VAC~ 2.0A
50-60Hz
OUTPUT: CH1: +5 V⎓ 8.0 A
CH2: +15 V⎓ 2.0 A
CH3: -15 V⎓ 0.4 A
BAR CODE
TDK·Lambda
MADE IN CHINA

Test item particulars..... :	See below
Equipment mobility.....:	[] movable [] hand-held [] transportable [] stationary [x] for building-in [] direct plug-in
Connection to the mains.....:	[x] pluggable equipment [x] type A [x] type B [x] permanent connection [] detachable power supply cord [] non-detachable power supply cord [] not directly connected to the mains
Operating condition.....:	[x] continuous [] rated operating / resting time:
Access location .....:	[] operator accessible [x] restricted access location
Over voltage category (OVC) .....:	[] OVC I [x] OVC II [] OVC III [] OVC IV [] other:
Mains supply tolerance (%) or absolute mains supply values .....:	±10%
Tested for IT power systems .....:	[x] Yes [] No
IT testing, phase-phase voltage (V) .....:	For Norway, 230V
Class of equipment .....:	[x] Class I [] Class II [] Class III [] Not classified
Considered current rating of protective device as part of the building installation (A) .....:	16 (20 for US/CSA)
Pollution degree (PD) .....:	[] PD 1 [x] PD 2 [] PD 3
IP protection class .....:	IPX0
Altitude during operation (m) .....:	Up to 3000
Altitude of test laboratory (m) .....:	Approx 50
Mass of equipment (kg) .....:	≅0.4kg Max. (with chassis and cover)
Possible test case verdicts:	
- test case does not apply to the test object .....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement .....:	F (Fail)
Testing.....:	
Date of receipt of test item.....:	N/A
Date(s) of performance of tests .....:	N/A

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See ATTACHMENT #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

☒ **Yes**

☐ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) ..... :

1. Wuxi TDK-Lambda Electronics Co., Ltd.
   No. 6 Xing Chuang Er Lu, Wuxi, Jiangsu 214028, P. R. China
2. Zhangjiagang Hua Yang Electronics Co., Ltd.
   Zhao Feng Industrial Zone, Leyu Town, Zhangjiagang, Jiangsu 215622, P. R. China

General product information:

Refer to report 15077086 001 for details.

See Model List below for details.

	Rated Input rating			Rated Output V1			Rated Output V2			Rated Output V3		
Model	Input (Va.c.)	Freq (Hz)	Input (A)	Min. output	typical output	Max. output	Min. output	typical output	Max. output	Min. output	typical output	Max. output
CUT75-522xxxxxxx CUT75J-522xxxxxxx	100-240 Or 200-240	50-60	2.0 Or 1.0	5.0 Vd.c.	5.0 Vd.c.	5.25 Vd.c.	+12 Vd.c.	+12 Vd.c.	+12 Vd.c.	-12 Vd.c.	-12 Vd.c.	-12 Vd.c.
				8.0A	8.0A	7.62A	2.5A	2.5A	3.0A	0.5A	0.5A	1.0A
Total output power is 76VA max.												
CUT75-5FFxxxxxxx CUT75J-5FFxxxxxxx	100-240 Or 200-240	50-60	2.0 Or 1.0	5.0 Vd.c.	5.0 Vd.c.	5.25 Vd.c.	+15 Vd.c.	+15 Vd.c.	+15 Vd.c.	-15 Vd.c.	-15 Vd.c.	-15 Vd.c.
				8.0A	8.0A	7.62A	2.0A	2.0A	2.5A	0.4A	0.4A	1.0A
Total output power is 77.5VA max.												

Operating temp.: up to +70ºC (operating temperature depending on equipment's load, mounting position, for details refer to instruction manual).

Description of change(s):

1. Add new model CUT75J-**zzzxxxxxxx**
2. Re-new critical components list.

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments
1	N/A	The new model is identical to original model CUT75-**zzzxxxxxxx**, no construction differences. No further test is considered necessary.
2	N/A	See table 1.5.1 in bold for details.

History of amendments and modifications:

Ref. No. 15077086 001, dated 2015-03-16 (original test report)
Ref. No. 15077086 002, dated 2017-03-20 (1st Modification)

Definition of variable(s):

CUT75-**zzzxxxxxxx**; CUT75J-**zzzxxxxxxx**
(**zzz** = 522 or 5FF; **xxxxxxx** = T, B, L, A, F, Q, other alphanumeric character, symbol or blank)

Variable:	Range of variable:	Content:
zzz	522 or 5FF	Denotes for different models
xxxxxxx	T	Denotes power supply with terminal block
	B	Denotes power supply with base plate under PWB
	L	Denotes power supply with chassis under PWB
	A	Denotes power supply with cover & chassis
	F	Denotes fixed output voltage without adjustable component
	Q	For CQC approval
	other alphanumeric character, symbol or blank	For market purposes, no construction differences and no safety impact.

Abbreviations used in the report:

-Normal conditions	N.C.	-Single fault conditions	S.F.C
-Functional insulation	OP	-Basic insulation	BI
-Double insulation	DI	-Supplementary insulation	SI
-Between parts of opposite polarity	BOP	-Reinforced insulation	RI
-Short-circuited	s-c	-No component damage	NCD
-Open-circuited	o-c	-Component damage	CD
-Overloaded	o-l	-Test repeated, similar result	RT
-Internal protection operated	IP	-No indication of dielectric breakdown	NB
-Input	i/p	-Cheesecloth remained intact	NC
-Output	o/p	-Tissue paper remained intact	NT
-Constant temperatures were obtained	CT	-The unit can recover auto when removing the abnormal condition	RA

Indicate used abbreviations (if any)