



Ref. Certif. No.

JP-25561-M3-UL

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

CB TEST CERTIFICATE

Product	DC-DC Converter
Name and address of the applicant	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN
Name and address of the manufacturer	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 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 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.	CC1R5-wwxyz#-E, CC3-wwxyz#-E, and CC6-wwxyz#-E (ww = 05, 12, 24 or 48. xx = 03, 05 or 12. y = S or D. z = F, R or S. # = A to Z or blank.) (y = D only if xx = 12)
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 and 3
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	E132035-A6016-CB-1 issued on 2026-01-13

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/hcbnames

Date: 2026-01-15
Original Issue Date: 2021-10-21

Signature: Masamichi Takagi



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Ratings:

Input:

- 4.5 - 9 Vdc (for Model ww = 05)
- 9 - 18 Vdc (for Model ww = 12)
- 18 - 36 Vdc (for Model ww = 24)
- 36 - 76 Vdc (for Model ww = 48)

Output:

- 3.3 to 3.6 Vdc, 400 mA, 1.32 W (for Model CC1R5-ww03Sz#-E)
- 3.3 to 3.6 Vdc, 800 mA, 2.64 W (for Model CC3-ww03Sz#-E)
- 3.3 to 3.6 Vdc, 1200 mA, 3.96 W (for Model CC6-0503Sz#-E)
- 3.3 to 3.6 Vdc, 1500 mA, 4.95 W (for Model CC6-ww03Sz#-E, except ww = 05)

- 5.0 to 6.0 Vdc, 300 mA, 1.5 W (for Model CC1R5-ww05Sz#-E)
- 5.0 to 6.0 Vdc, 600 mA, 3.0 W (for Model CC3-ww05Sz#-E)
- 5.0 to 6.0 Vdc, 1000 mA, 5.0 W (for Model CC6-0505Sz#-E)
- 5.0 to 6.0 Vdc, 1200 mA, 6.0 W (for Model CC6-ww05Sz#-E, except ww = 05)

- 12 to 15 Vdc, 125 mA, 1.5 W (for Model CC1R5-ww12Sz#-E)
- 12 to 15 Vdc, 250 mA, 3.0 W (for Model CC3-ww12Sz#-E)
- 12 to 15 Vdc, 500 mA, 6.0 W (for Model CC6-ww12Sz#-E)

- +/-12 to +/-15 Vdc, 60 mA, 1.44 W (for Model CC1R5-ww12Dz#-E)
- +/-12 to +/-15 Vdc, 125 mA, 3.0 W (for Model CC3-ww12Dz#-E)
- +/-12 to +/-15 Vdc, 250 mA, 6.0 W (for Model CC6-ww12Dz#-E)

Summary of Modifications:

- Removed the current ratings that were used as a reference value in Table B.2.5.

<Model CC1R5 Series>

- Transformer (T1) for Model CC1R5 was subdivided. No construction changes, only for clarification
- Transformer (T1), TDK-Lambda Corp., Type: TCC1R5 Series.
- Bobbin of T1, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, Kijima Musen Co., Ltd., Type: TCC1R5 Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, TDK Xiamen Co., Ltd., Type: DCT7.5/5EC Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.

- Addition of Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9820.
- Addition of alternate Transformer (T1) (For CC1R5-0505Sx-E, CC1R5-2405Sx-E, CC1R5-2412Sx-E, CC1R5-2412Dx-E only), LITE-ON Technology Corporation, Type: PNTR1xxMR Series.
- Addition of Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.

Additional information (if necessary)



- 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

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Summary of Modifications (Continued):

<Model CC3 Series>

- Transformer (T1) for Model CC3 was subdivided. No construction changes, only for clarification
- Transformer (T1), TDK-Lambda Corp., Type: TCC3 Series.
- Bobbin of T1, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, Kijima Musen Co., Ltd., Type: TCC3 Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, TDK Xiamen Co., Ltd., Type: DCT9.5/5EC Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.

- Addition of alternate Transformer (T1) (For CC3-0505Sx-E, CC3-2405Sx-E, CC3-2412Sx-E, CC3-2412Dx-E only), LITE-ON Technology Corporation, Type: PNTR2xxMR Series.
- Addition of Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.

- Deletion of the following items, due to duplicate by typo.
- Fuse / F2 (for Models CC3-0503S*.-E, CC3-0505S*.-E, CC3-0512S*.-E, CC3-0512D*.-E) (* = F or R)
- Fuse / F2 (for Models CC3-1203S*.-E, CC3-1205S*.-E, CC3-1212S*.-E, CC3-1212D*.-E) (* = F or R)
- Fuse / F2 (for Models CC3-2403S*.-E, CC3-2405S*.-E, CC3-2412S*.-E, CC3-4803S*.-E, CC3-4805S*.-E, CC3-4812S*.-E, CC3-2412D*.-E, CC3-4812D*.-E) (* = F or R)
- Transformer (T1), TDK-Lambda Corp., Type: TCC3S*.-Eries.
- Bobbin of T1, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer(T1)-Alternate, Shiba Denka Co., Ltd., Type: TCC3S*.-Eries.
- Bobbin of T1, Sumitomo Bakelite Co., Ltd., Type: PM-9630.

<Model CC6 Series>

- Transformer (T1) for Model CC6 was subdivided. No construction changes, only for clarification
- Transformer (T1), TDK Corporation, Type: TCC6 Series.
- Bobbin of T1, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, TDK Xiamen Co., Ltd., Type: DCT11/5EC Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Transformer (T1)-Alternate, TDK Xiamen Co., Ltd., Type: DCT11/5EC-A Series.
- Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9630.
- Addition of Bobbin of T1-Alternate, Sumitomo Bakelite Co., Ltd., Type: PM-9820.

Additional information (if necessary)



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