



Accuris has added the following environmental document to the active parts as mentioned in the document from TDK-Lambda Corp as of 17-June-2017.

Thank You.



TDK-Lambda Americas Inc.
401 Mile of Cars Way, Suite 325
National City, CA 91950 USA
<http://us.tdk-lambda.com/lp>

June 17, 2017

RoHS Certificate of Compliance

This document is to certify that the following TDK-Lambda products listed on the following pages comply (or are targeted to comply on the dates specified) with the requirements of the RoHS European Directive 2011/65/EU.

General Requirements of the Directive:

- 1) $\leq 0.1\%$ by weight in homogenous materials for lead
- 2) $\leq 0.1\%$ by weight in homogenous materials for hexavalent chromium
- 3) $\leq 0.1\%$ by weight in homogenous materials for mercury
- 4) $\leq 0.1\%$ by weight in homogenous materials for polybrominated biphenyls
- 5) $\leq 0.1\%$ by weight in homogenous materials for polybrominated diphenyl ethers
- 6) $\leq 0.01\%$ by weight in homogenous materials for cadmium
- 7) Complies with nullification of Deca BDE exemption (July 1, 2008)
- 8) The products no longer claim the expired 7(c)-iii exemption clause detailed in 2011/65/EU
- 9) The products are claiming exemptions 6(c), 7(a), 7(c)-i and -ii.

For definitions and exemptions, please see the RoHS Directive 2011/65/EU.

Date of RoHS Manufacture

Please note that when specified, the dates indicate the change over of manufacturing processes from non RoHS to RoHS manufacture. Unless otherwise specified at the time of order, non RoHS material may be shipped until stocks are exhausted.

Please contact TDK-Lambda for models not listed.

Part Numbering and Identification

CE Marking on the product now covers RoHS compliance for applicable (8) product categories as of January 2, 2013, and the additional RoHS identifiers below will be dropped

<http://www.ce-mark.com/Rohs%20final.pdf>

Previously some TDK-Lambda products were marked with a suffix "HFP", "EHFP" or "G" (this will not affect part numbering of the products), others were identified by a RoHS symbol. Note: On smaller products or open frame power supplies (ex ZWS), "-EHFP" suffix may only be listed on product packaging.



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Index of Models

Model Series	Date of RoHS production	Product Marking
ALC, ALV	All production	EHFP Suffix
ALD	All production	None
ARAxxxxx	All production	None
Alpha - CA400, 600, 1000, 1500	April 2006	CE Mark
CC-E, CC-P-E	All production	None
CCK, CCM, CCN, CCP	December 2005	None
CFE	All production	CE Mark
CN-A	All production	EHFP Suffix
CPFE	All production	CE Mark
CSS	All production	CE Mark
DFPxxxxx	All production	None
DLP75 through 240 & DLP/PU	October 2005	EHFP Suffix
DPP15 through 960	January 2006	CE Mark
DPX	All production	CE Mark
DRB	All production	CE Mark
DRF	All production	CE Mark
DSP10 through 100	January 2006	CE Mark
DT	December 2005	CE Mark
EFE	All production	CE Mark
FPS	June 2006	EHFP Suffix
G0112A, G0177, G0180, G0186	February 2006	CE Mark
GWS	All production	HFP Suffix
HAx-xxx (Heatsinks)	December 2005	A suffix
HFE	All production	EHFP Suffix
HK-A	November 2005	EHFP Suffix
HSx, HDx, HTx	July 2006	Label
HWS15 through 600	All production	EHFP Suffix
HWS1000 through 1800T	March 2006	EHFP Suffix
iAx, iBx, iCx, iEx, iFA, iQx, iSA	All production	- R model Suffix
JFS	August 2006	Label
JWS50 through 150	October 2005	EHFP Suffix
JWS240 through 600	December 2005	EHFP Suffix
JWT75 through 100	October 2005	EHFP Suffix
KAS	All production	CE Mark
K0, K1, K3, K4, K6, K9xxxx	April 2006	CE Mark
KM	November 2007	CE Mark
KPS, KPSA	November 2005	CE Mark
KT-	April 2006	None
KWS	August 2006	HFP Suffix
KWD	August 2006	HFP Suffix
LD, LEDC	All production	EHFP Suffix
LS	All production	EHFP Suffix
LWT15H through 50H	November 2005	HFP Suffix
LZSA (All models)	All production	CE Mark



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<u>Model Series</u>	<u>Date of RoHS production</u>	<u>Product Marking</u>
MAW, MB	October 2005	HFP Suffix
MBS13, 48	January 2006	HFP Suffix
MC12/MZ12	All production	HFP OR LF3 Suffix
MC13	December 2005	HFP Suffix
MTW	All production	EHFP Suffix
MWS	All production	EHFP Suffix
MX13	January 2006	HFP Suffix
MXB	January 2005	HFP Suffix
NNS/NND	February 2006	HFP Suffix
NV1, NV3, NV7, NVA, NVM	April 2006	CE Mark
PAE50, 100	All production	HFP Suffix
PAF	December 2005	EHFP Suffix
PAH	October 2005	EHFP Suffix
PAN	December 2005	EHFP Suffix
PAQ	May 2005	EHFP Suffix
PC/PCD	October 2005	HFP Suffix
PD600/PD800	September 2008	HFP Suffix
PF-A	February 2006	EHFP Suffix
PFE (all models)	All production	EHFP Suffix
PH (all models PH-S & PH-F)	December 2005	EHFP Suffix
PL	April 2006	Label
PP15 & PP25	October 2005	HFP Suffix
PSS/PSD	All production	EHFP Suffix
PXA, PXB, PXD, PXE, PXF	October 2005	CE Mark
PV	October 2005	EHFP Suffix
QM7	All production	CE Mark
R1xxxx (Alpha)	April 2006	CE Mark
R series filters	All production	None
R22XXX (PFE based)	All production	CE Mark
RFE1000-2500	All production	CE Mark
RKE, RTW	October 2005	EHFP Suffix
RWS-B	All production	CE Mark
SCS/SCD/SCT/SC150	February 2006	G Suffix
SCx120Pxx	January 2006	CE Mark
SCS120PWxx	December 2005	CE Mark
Sirius (CS, CSF250/350)	April 2006	CE Mark
SR	February 2006	HFP Suffix
SWS50 through 600	October 2005	EHFP Suffix
SWS600L, SWS1000L	All production	EHFP Suffix
SWT30 through 100	October 2005	HFP Suffix
TH, TL, TX ⁽¹⁾	July 2006	CE Mark
U2Yxxxx through U7Yxxxx	All production	CE Mark
Vega (V0-9, K0-9)	April 2006	CE Mark



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<u>Model Series</u>	<u>Date of RoHS production</u>	<u>Product Marking</u>
VA-26519	All production	CE Mark
VA-26944, VA-26861	Nov 2009	CE Mark
VA-PFE1000Fxxx, VA-PAH450Sxx	All production	CE Mark
VSB/VSC/VSP	October 2005	EHFP Suffix
X5xxxxx (NVM175)	All production	CE Mark
Y1xxxxx through Y9xxxxx (EFE)	All production	CE Mark
Z+	All production	CE Mark
ZPS, ZPD, ZPT, ZPSA	November 2005	EHFP Suffix
ZWDPAF	October 2005	EHFP Suffix
ZUP	July 2006	EHFP Suffix
ZWQ	March 2006	EHFP Suffix
ZWS, -AF, -B, -BP, -BAF, -PAF	October 2005	EHFP Suffix
ZWS120PPF-24	October 2005	HFP Suffix
ZWX	November 2007	EHFP Suffix
88537-88540	April 2006	None

Note (1) TH120024, THR4, TL100024, TL250048, TLR5 compliant as of June 2006
Includes TLR5H1007-001 Rev 1:3 and higher
TL100048 Rev 4:24 and higher
TLCK232 Rev 1:1 and higher
DT60PW240P, DT45PW301 & DT60PW240P-011
Raw material 52151T, 75038

Tom Tillman

Director of Marketing