



RoHS Compliance Declaration

Supplier Name: Delta Electronics (Thailand) Public Co., Ltd.

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We hereby certify that our AC-DC & DC-DC converter products of DCBU plant are compliant with the EU RoHS:

- Directive 2011/65/EU the restriction of the use of certain hazardous substances.
- Directive (EU) 2015/863 amends EU RoHS to restrict four phthalates.

The following table is the restricted substances and maximum concentration values tolerated by weight in homogeneous materials.

RoHS Restricted Substances	Maximum concentration
Cadmium and its compounds	100 ppm (0.01 weight %)
Mercury and its compounds	1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds	1000 ppm (0.1 weight %)
Lead and its compounds	1000 ppm (0.1 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.1 weight %)
Bis(2-ethylhexyl) phthalate (DEHP)	1000 ppm (0.1 weight %)
Butyl benzyl phthalate (BBP)	1000 ppm (0.1 weight %)
Dibutyl phthalate (DBP)	1000 ppm (0.1 weight %)
Diisobutyl phthalate (DIBP)	1000 ppm (0.1 weight %)

Note: Most of our products are RoHS compliant with the use of exemptions for lead: 6(c), 7(a) and 7(c)-I are mainly used.

For more information on specific product, please contact our local sales agent or DCDC@deltaww.com

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Appendix

The following table is the Delta electronics product type and model name for reference.

Product Type	Series	Model Name
Board-mounted DCDC modules	non-isolated DCDC	D12F200
Board-mounted DCDC modules	non-isolated DCDC	D12S05020-1
Board-mounted DCDC modules	non-isolated DCDC	D12S1R8100D
Board-mounted DCDC modules	non-isolated DCDC	D12S1R830D
Board-mounted DCDC modules	non-isolated DCDC	D12S1R845D
Board-mounted DCDC modules	non-isolated DCDC	D12S1R860D
Board-mounted DCDC modules	non-isolated DCDC	D12S1R880D
Board-mounted DCDC modules	non-isolated DCDC	D12S2R550
Board-mounted DCDC modules	non-isolated DCDC	D12S300-1
Board-mounted DCDC modules	non-isolated DCDC	D12S400
Board-mounted DCDC modules	non-isolated DCDC	DCK12S0A0S30
Board-mounted DCDC modules	non-isolated DCDC	DCL12S0A0S20
Board-mounted DCDC modules	non-isolated DCDC	DCM04S0A0S12
Board-mounted DCDC modules	non-isolated DCDC	DCM12S0A0S12
Board-mounted DCDC modules	non-isolated DCDC	DNK12S0A0R30
Board-mounted DCDC modules	non-isolated DCDC	DNL04S0A0R16
Board-mounted DCDC modules	non-isolated DCDC	DNL04S0A0S16
Board-mounted DCDC modules	non-isolated DCDC	DNL10S0A0R16
Board-mounted DCDC modules	non-isolated DCDC	DNL10S0A0R20
Board-mounted DCDC modules	non-isolated DCDC	DNL10S0A0S16
Board-mounted DCDC modules	non-isolated DCDC	DNM04S0A0R10
Board-mounted DCDC modules	non-isolated DCDC	DNM04S0A0S10
Board-mounted DCDC modules	non-isolated DCDC	DNM10S0A0R10
Board-mounted DCDC modules	non-isolated DCDC	DNM10S0A0S10
Board-mounted DCDC modules	non-isolated DCDC	DNS04S0A0R06
Board-mounted DCDC modules	non-isolated DCDC	DNS04S0A0S06
Board-mounted DCDC modules	non-isolated DCDC	DNS10S0A0R06
Board-mounted DCDC modules	non-isolated DCDC	DNS10S0A0S06
Board-mounted DCDC modules	non-isolated DCDC	DNT04S0A0R03
Board-mounted DCDC modules	non-isolated DCDC	DNT04S0A0R05
Board-mounted DCDC modules	non-isolated DCDC	DNT04S0A0S03
Board-mounted DCDC modules	non-isolated DCDC	DNT04S0A0S05
Board-mounted DCDC modules	non-isolated DCDC	DNT12S0A0R03

Board-mounted DCDC modules	non-isolated DCDC	DNT12S0A0R05
Board-mounted DCDC modules	non-isolated DCDC	DNT12S0A0S03
Board-mounted DCDC modules	non-isolated DCDC	DNT12S0A0S05
Board-mounted DCDC modules	non-isolated DCDC	E50SN12051
Board-mounted DCDC modules	non-isolated DCDC	H60SB0A050
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0H20
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0H30
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0H40
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0H60
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0V20
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0V30
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0V40
Board-mounted DCDC modules	non-isolated DCDC	NC12S0A0V60
Board-mounted DCDC modules	non-isolated DCDC	ND12S0A0V40
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0H03
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0H06
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0H10
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0V03
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0V06
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0V10
Board-mounted DCDC modules	non-isolated DCDC	NE12S0A0V20
Board-mounted DCDC modules	non-isolated DCDC	PM05S015A
Board-mounted DCDC modules	non-isolated DCDC	PM05S018A
Board-mounted DCDC modules	non-isolated DCDC	PM05S025A
Board-mounted DCDC modules	non-isolated DCDC	PM05S033A
Board-mounted DCDC modules	non-isolated DCDC	PM05S050A
Board-mounted DCDC modules	non-isolated DCDC	PM05S065A
Board-mounted DCDC modules	non-isolated DCDC	PM05S090A
Board-mounted DCDC modules	non-isolated DCDC	PM05S120A
Board-mounted DCDC modules	non-isolated DCDC	PM05S150A
Board-mounted DCDC modules	non-isolated DCDC	T31SN12008
Board-mounted DCDC modules	non-isolated DCDC	T31SN24005