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Monolithic Power Systems Environmental Compliance Declaration

Since 2006, Monolithic Power Systems, Inc. (MPS) products have been environmentally friendly, from raw material to finished products. MPS assures that the substances listed below are not included/far below limitation in the products or in the packaging materials, such as reel, tape, moisture barrier bag, and inner or outer boxes.

MPS states that it is compliant with:

- The EU Directive 2011/65/EU and its amendment 2015/863/EU, ROHS (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment), with latest list of June 4th, 2015 (RoHS II). RoHS is first issued on July 1st, 2006.
http://ec.europa.eu/environment/waste/rohs_eee/index_en.htm
http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm
- Regulation (EC) No 1907/2006, registration, Evaluation, Authorization and Restriction of Chemicals (REACH), REACH is first issued on June 2007 to ensure a high level of protection of human health and the environment.
<http://echa.europa.eu/regulations/reach>
REACH Annex XVII (Restrictions)
<https://echa.europa.eu/substances-restricted-under-reach>
Substances of Very High Concern defined in EU REACH Regulation, with latest REACH SVHC candidate List of Nov.7, 2024.
<http://echa.europa.eu/web/guest/candidate-list-table>
REACH Annex XIV (Authorization)
<https://echa.europa.eu/authorisation-list>
- EU Package Directive (Directive 94/62/EC)
- European Parliament and of the Council of December 1994 on Packaging and Packaging Waste, amending by Directive 2004/12/EC, Directive 2005/20/EC, Regulation (EC) No 219/2009, Directive 2013/2/EU.
http://ec.europa.eu/environment/waste/packaging/index_en.htm
- For Halogen Free products, we are compliant with Halogen Free Initiative IEC 61249-2-21
- ELV Directive
- Directive 2000/53/EC on end-of-life vehicles
http://ec.europa.eu/environment/waste/elv/legislation_en.htm
- China RoHS
GB/T 26572-2011
CNCA-RoHS-0101:2011

- China VOC regulation (*Only below regulation is applicable to MPS products*)
GB 33372-2020 Limit of volatile organic compounds content in adhesive

Poly- and perfluoroalkyl substances (PFASs)

- MPS keeps tracking PFAS legal developments, aiming to adhere to related laws & regulations.
- We collect supply chain PFAS containing details to understand challenges for the semiconductor industry, track PFAS-Free material development progress, listen to customer voice for PFAS expectations, and share related information with them upon request.

Monolithic Power Systems, Inc. (MPS) does not intentionally add any of below materials during the manufacturing of its packaged products. While analysis of below chemicals is not routinely performed on the final product, we do not expect these substances to be present.

- Volatile Organic Compounds (VOCs)
- The 1987 Montreal Protocol on Substances that Deplete the Ozone Layer
EU Regulation (EC) No. 1005/2009 of the European and of the Council of 16 September 2009 on Substances that deplete the ozone layer
https://ec.europa.eu/clima/policies/ozone/regulation_en
- IEC62474
<http://std.iec.ch/iec62474/iec62474.nsf/index>
- Stockholm Convention on Persistent Organic Pollutants (POPs)
<http://www.pops.int/TheConvention/ThePOPs/tabid/673/Default.aspx>
- EU POPs Regulation
Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants
http://ec.europa.eu/environment/chemicals/international_conventions/index_en.htm
- Initiative of the Safe Drinking Water and Toxic Enforcement Act of 1986(Pro65)
- Radioactive substances restriction
- US Toxic Substance Control Act (TSCA)
- Global Automotive Declarable Substance List (GADSL)

With main threshold limits defined as:

RoHS

Lead (Pb)	Several control limits based on material type with max limit <800 ppm, Or use applicable exemptions within RoHS regulation
Cadmium(Cd)	Several control limits based on material type with max limit <50 ppm
Hexavalent Chromium	Several control limits based on material type with max limit <500 ppm
Mercury (Hg)	<800 ppm
Polybrominated Biphenyls (PBB)	<1000 ppm
Polibrominated Diphenyl Ethers (PBDE)	<1000 ppm

Bis (2-ethylhexyl) phthalate (DEHP)	<900 ppm
Benzyl butyl phthalate (BBP)	<900 ppm
Dibutyl phthalate (DBP)	<900 ppm
Diisobutyl phthalate (DIBP)	<900 ppm

For Halogen-free products:

Halogens

Bromine (Br)	<900 ppm
Chlorine (Cl)	<900 ppm
Chlorine (Cl) + Bromine (Br)	<1500 ppm



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