

RoHS Directive 2011/65/EU

RoHS = Restriction of the use of certain Hazardous Substances

Ladies and Gentlemen,

The RoHS Directive No. 2011/65/EU of the European Union (amended by the delegated directive (EU) 2015/863) describes the restriction of the use of hazardous substances in electrical and electronic equipment.

According to Article 4(1), all substances listed in Annex II are subjected to a restricted use with maximum concentration values in homogeneous materials expressed as a percentage by weight:

| Substance | Max. concentration values tolerated in weight % |
|---------------------------------------|---|
| Lead | 0,1 |
| Mercury | 0,1 |
| Cadmium | 0,01 |
| Hexavalent Chromium | 0,1 |
| Polybrominated biphenyls (PBB) | 0,1 |
| Polybrominated diphenyl ethers (PBDE) | 0,1 |
| Bis(2-ethylhexyl) phthalate (DEHP) | 0,1 |
| Butyl benzyl phthalate (BBP) | 0,1 |
| Dibutyl phthalate (DBP) | 0,1 |
| Diisobutyl phthalate (DIBP) | 0,1 |

From the restriction of Article 4, in conjunction with Annex II, there are many exempted uses listed in Annex III and IV of the above Directive.

Regardless whether the current regulation is valid for our product range, we confirm herewith, that all the delivered products are already compliant with the restrictions of certain hazardous substances as described in this Directive.

We will inform you immediately in case of modified regulation or change in the list of substances that would have an impact on the delivered products.

Sincerely yours

Harmonic Drive SE



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 Manager Development Mechatronics



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 Manager Product Management