

## Certificate of Non-use of RoHS Restricted Substances

We certify that the following products do not contain the RoHS restricted substances above the allowable limit except for the following exemptions.

1. Restricted Substances and allowable limit

Table1 List of RoHS Restricted Substances and allowable limit in homogeneous materials

RoHS Restricted Substances	Allowable limit
Lead and its compounds	0.1wt% (1000ppm)
Mercury and its compounds	0.1wt% (1000ppm)
Cadmium and its compounds	0.01wt% (100ppm)
Hexavalent Chromium and its compounds	0.1wt% (1000ppm)
Polybrominated biphenyls (PBB)	0.1wt% (1000ppm)
Polybrominated diphenylethers (PBDE)	0.1wt% (1000ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1wt% (1000ppm)
Butyl benzyl phthalate (BBP)	0.1wt% (1000ppm)
Dibutyl phthalate (DBP)	0.1wt% (1000ppm)
Diisobutyl phthalate (DIBP)	0.1wt% (1000ppm)

2. Regulation

2011/65/EU and (EU)2015/863

3. Parts and their exemptions

Table2 Parts and their exemptions

No.	Part Name	Part No.	Dose the part use any exemptions? Yes/No	Exemption No.	Remarks (Exemption Component, Substance, Concentration)
1	Crystal Unit	CX5032GB(CX-53F) series	Yes	7(c)-I	Lead in sealing glass 809000ppm

Table3 EU RoHS Exemptions used

Exemption No.	Exemption
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound



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