











Micro Crystal confirms that below listed standard products Clock Oscillators in ceramic packages are compliant with the RoHS 3 Directive 2015/863/EU and REACH Regulation 1907/2006/EU of the European Parliament and of the Council on the Restriction of the use of Hazardous Substances in electrical and electronics equipment.

Latest version of CoC Environment: www.microcrystal.com/en/company/related-documents

Clock Oscillators MCSO / MCSO1 / MCSO2 / MCSO6 / VCXO2

Directive	Description
 <p>RoHS Directive 2011/65/EU / (RoHS 2) Edition: July 1st 2011 and Directive 2015/863/EU / (RoHS 3) Edition: 31.3.2015</p>	Restrictions of Hazardous Substances - RoHS compliant - 100% Lead free
 <p>China RoHS 2 / GB / T 26572-2011 Edition: January 21th 2016</p>	Restrictions of Hazardous Substances - China RoHS 2 compliant
 <p>VOC's GB 30981 / 38507 / 33372 / 38508 Edition: March 2020</p>	Materials used in products and processes are in compliance with the China VOC regulations.
 <p>WEEE Directive 2012/19/EU Edition: July 4th 2012</p>	Waste from Electrical and Electronic Equipment - compliant with WEEE directive
 <p>REACH Regulation 1907/2006/EU (REACH = Registration, Evaluation and Authorisation of Chemicals) According to article 59 (10) and articles 56 and 67 / annexes XIV and XVII of Regulation - IEC 62474 Int. Electrotechnical Commission</p>	SVHC: Substances of Very High Concern Number of substances on the Candidate List: 235 - last updated: 14 th of June 2023 - products do not contain substances from the latest SVHC candidate list above 0.1%. - IEC: Declarable Substances List: actual Version
 <p>Directive 2019/1021/EC Edition June 20th 2019 Directive 2006/122/EC Edition December 12th 2006 PFAS e.g. Reg. State of Maine L.D. 1503</p>	Persistent Organic Pollutants (POP's) - products are free of POP's (incl. PFOS, PFOA) and Perfluoroalkyl and Polyfluoroalkyl substances (PFAS)
 <p>California Proposition 65 The Safe Drinking Water and Toxic Enforcement Act of 1986</p>	Products contain listed substances Nickel (CAS 7440-02-0) and Cobalt (CAS 7440-48-4) and are compliant with Prop 65. ¹⁾
 <p>US-EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) e-CFR system 40 Part 751</p>	The products contains one or more components for which a Low Volume Exemption (LVE) with 40 CFR 723.50 applies.
 <p>Halogen free</p>	Halogen free - products are free of Halogen
 <p>Conflict-Free Sourcing Initiative (CFSI), founded by EICC and GeSI. Conflict Minerals Reporting Template (CMRT) Extended Mineral Reporting Template (EMRT)</p>	It is Micro Crystal's strict policy not to purchase any Conflict Minerals that are mined under conditions of armed conflict and human rights abuses.
<p>Various Radioactive Materials Ozone Depleting Substances, Asbestos, BPA, PVC, DMF, HBCDD, Latex nor Phthalates</p>	Products are compliant with: EU Directive 96/29 EU Directive 1005/2009 / EU Directive 2009/148

¹⁾ Detailed "Material composition" see pdf document "Product Doc." or "App. Manual" (Homepage)

Document Revision History

Date	Rev #	Revision Details	Date	Rev #	Revision Details
Jan. 20 – July 22	2.1 – 2.7	Update REACH / IEC 62474 / VOC's, POP's			
Jan. 17 - Aug. 19	1.4 – 2.0	Different updates	July 2023	3.1	Update REACH
March 2017	1.3	First release	Jan. 2023	3.0	Update REACH / add PFAS

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Document Status

Date	CoC Environmental	Name	Title	Signature
July 3 rd 2023	Document Approved	Fritz Burkhalter	Quality Manager	