














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
  RoHS Directive 2011/65/EU / (RoHS 2) Edition: July 1st 2011 and Directive 2015/863/EU / (RoHS 3) Edition: 31.3.2015	Restrictions of Hazardous Substances - RoHS compliant - 100% Lead free
 China RoHS 2 / GB / T 26572-2011 Edition: January 21 st 2016	Restrictions of Hazardous Substances - China RoHS 2 compliant
 VOC's GB 30981 / 38507 / 33372 / 38508 Edition: March 2020	Materials used in products and processes are in compliance with the China VOC regulations.
 WEEE Directive 2012/19/EU Edition: July 4 th 2012	Waste from Electrical and Electronic Equipment - compliant with WEEE directive
 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	SVHC: Substances of Very High Concern Number of substances on the Candidate List: 247 - last updated: 21 st of January 2025 - products do not contain substances from the latest SVHC candidate list above 0.1%. - IEC: Declarable Substances List: actual Version
 Directive 2019/1021/EC Edition June 20 th 2019  Directive 2006/122/EC Edition December 12 th 2006  PFAS e.g. Reg. State of Maine L.D. 1503	Persistent Organic Pollutants (POP's) - products are free of POP's (incl. PFOS, PFOA) and Perfluoroalkyl and Polyfluoroalkyl substances (PFAS)
 California Proposition 65 The Safe Drinking Water and Toxic Enforcement Act of 1986	Products contain listed substances Nickel (CAS 7440-02-0) and Cobalt (CAS 7440-48-4) and are compliant with Prop 65. ¹⁾
 US-EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) e-CFR system 40 Part 751	The products contains one or more components for which a Low Volume Exemption (LVE) with 40 CFR 723.50 applies.
 Halogen free	Halogen free - products are free of Halogen
 Conflict-Free Sourcing Initiative (CFSI), founded by EICC and GeSI. Conflict Minerals Reporting Template (CMRT) Extended Mineral Reporting Template (EMRT)	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.
Various Radioactive Materials Ozone Depleting Substances, Asbestos, BPA, PVC, DMF, HBCDD, Latex nor Phthalates	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. 23 – July 24	3.0 – 3.3	Update REACH / add PFAS			
Jan. 17 - July 22	1.4 – 2.7	Different updates	Febr. 2025	3.5	Update REACH
March 2017	1.3	First release	Nov. 2024	3.4	Update REACH

Disclaimer: Information furnished is believed to be accurate and reliable and is given to the best of our present knowledge and belief. However, Micro Crystal assumes no responsibility or liability for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. In accordance with our policy of continuous development and improvement, Micro Crystal reserves the right to modify specifications mentioned in this publication without prior notice.

Document Status

Date	CoC Environmental	Name	Title	Signature
February 11 th 2025	Document Approved	Fritz Burkhalter	Quality Manager	