











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.

### Clock Oscillators MCSO / MCSO1 / MCSO2 / MCSO6 / VCXO2

Directive	Description
 <p><b>RoHS Directive</b> 2011/65/EU / (RoHS 2) Edition: July 1st 2011 and <b>Directive</b> 2015/863/EU / (RoHS 3) Edition: 31.3.2015</p>	Restrictions of Hazardous Substances - RoHS compliant - 100% Lead free
 <p><b>China RoHS 2</b> / GB / T 26572-2011 Edition: January 21<sup>th</sup> 2016</p>	Restrictions of Hazardous Substances - China RoHS 2 compliant
 <p><b>WEEE Directive</b> 2012/19/EU Edition: July 4<sup>th</sup> 2012</p>	Waste from Electrical and Electronic Equipment - compliant with WEEE directive
 <p><b>REACH Regulation</b> 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</p>	SVHC: Substances of Very High Concern Number of substances on the Candidate List: 191 – last updated: 27 June 2018 - products do not contain substances from the latest SVHC candidate list above 0.1%.
 <p><b>Directive</b> 2006/122/EC Edition December 12<sup>th</sup> 2006 Canadian legislation SOR/2008-178 Edition: May 29<sup>th</sup> 2008 Canadian Environmental Protection Act, 1999</p>	PFOS and PFOA directive - products are free of PFOS - products are free of PFOA
 <p><b>California Proposition 65</b> The Safe Drinking Water and Toxic Enforcement Act of 1986</p>	Our products contains Nickel (CAS 7440-02-0). This substance is listed in Prob 65
 <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).</p>	It is Micro Crystal's strict policy not to purchase any <b>Conflict Minerals</b> that are mined under conditions of armed conflict and human rights abuses.
<p><b>Various</b></p> <p>Radioactive Materials Ozone Depleting Substances Asbestos BPA, PVC, DMF, HBCDD, Latex nor Phthalates</p>	EU Directive 96/29 EU Directive 1005/2009 EU Directive 83/477/CEE
 <p>Material Safety Data Sheets</p>	All our products are not classified as hazardous substances or dangerous goods.

### Document Status

Date	CoC Environmental	Name	Title	Signature
June 29 <sup>th</sup> 2018	Document Approved	Fritz Burkhalter	Quality Manager	

### Document Revision History

Date	Rev #	Revision Details	Date	Rev #	Revision Details
Dec. 2017	1.5	Add Prop 65 and RoHS 3			
July 2017	1.4	Update REACH / Candidate list: 174	June 2018	1.7	Update / Candidate list: 191, add VCXO2
March 2017	1.3	First release (Revision 1.0, 1.1 and 1.2 does not exist)	Jan. 2018	1.6	Update REACH / Candidate list: 181

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