







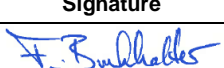


Micro Crystal confirms that below listed standard products Quartz Crystal Units in metal packages are compliant with the RoHS 3 Directive 2015/863/EU and REACH Regulation 1907/2006/EU of the European Parliament and of the Council on the Restriction of the use of Hazardous Substances in electrical and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

MS-Series Quartz Crystal Units (MS1V/MS3V)

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 Directive 2018/742/EU Edition: 18.5.2018</p>	<p>These products contain Lead (Pb) exempted under RoHS:</p> <ul style="list-style-type: none"> - 6(c) Lead as an alloying element in copper containing up to 4% lead by weight. - 7(a) Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
 <p>China RoHS 2 / GB / T 26572-2011 Edition: January 21th 2016</p>	<p>Restrictions of Hazardous Substances - China RoHS 2 compliant</p>
 <p>WEEE Directive 2012/19/EU Edition: July 4th 2012</p>	<p>Waste from Electrical and Electronic Equipment - compliant with WEEE directive</p>
 <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</p>	<p>SVHC: Substances of Very High Concern Number of substances on the Candidate List: 191 – last updated: 27 June 2018 - These products contain SVHC in concentration above 0.1% by weight. Substance: Lead CAS: 7439-92-1</p>
 <p>Directive 2006/122/EC Edition December 12th 2006 Canadian legislation SOR/2008-178 Edition: May 29th 2008 Canadian Environmental Protection Act, 1999</p>	<p>PFOS and PFOA directive - products are free of PFOS - products are free of PFOA</p>
 <p>California Proposition 65 The Safe Drinking Water and Toxic Enforcement Act of 1986</p>	<p>Our products contains Nickel (CAS 7440-02-0), Cobalt (CAS 7440-48-4) and Lead (7439-92-1) These substances are listed in Prop 65</p>
 <p>Halogen free</p>	<p>Halogen free - products are free of Halogen</p>
 <p>Conflict-Free Sourcing Initiative (CFSI), founded by EICC and GeSI. Conflict Minerals Reporting Template (CMRT).</p>	<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>
<p>Various Radioactive Materials Ozone Depleting Substances Asbestos BPA, PVC, DMF, HBCDD, Latex nor Phthalates.</p>	<p>EU Directive 96/29 EU Directive 1005/2009 EU Directive 83/477/CEE</p>
<p>MSDS Material Safety Data Sheets</p>	<p>All our products are not classified as hazardous substances or dangerous goods.</p>

Document Status

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

Document Revision History

Date	Rev #	Revision Details	Date	Rev #	Revision Details
July 2017	1.4	Update REACH / Candidate list: 174			
March 2017	1.3	Changes REACH Directive in Regulation			
Jan. 2017	1.2	Update REACH / Candidate list: 173	June 2018	1.7	Update Candidate list: 191 / add Dir 2018/742
Jan. 2017	1.1	Add MSDS	Jan. 2018	1.6	Update REACH / Candidate list: 181
Sept. 2016	1.0	First release	Dec. 2017	1.5	Add Prop 65 and RoHS 3

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