



DATED: February 25, 2025

Re: REACH Compliance

To Whom It May Concern:

This letter is to advise all of our customers and clients that, with the exceptions listed below, all of our multilayer and single layer capacitors are REACH compliant in accordance with the European Union Regulation No 1907/2006 dated December 18, 2006. In addition, all products manufactured by Calramic Technologies LLC do not contain SVHC under REACH as defined in Article 57 Annex XVII with amendments.

SVHC exceptions:

Chemical Name	EC #	CAS #	Inclusion Date	Note
Lead monoxide (lead oxide)	215-267-0	1317-36-8	19/12/2012	1,2
Lead titanium trioxide	235-038-9	12060-00-3	19/12/2012	1,2
Lead (elemental)	231-100-4	7439-92-1	27/6/2018	3

- 1- Combined in a ceramic matrix, unlikely to present a hazard to humans or the environment under normal use and handling.
- 2- Content is >1000ppm
- 3- Non-RoHS parts only, terminal/lead plating.

The following revisions to the SVHC candidate list were reviewed in preparation of this statement:

- 9 October 2008
- 13 January 2010
- 30 March 2010
- 18 June 2010
- 15 December 2010
- 20 June 2011
- 19 December 2011
- 18 June 2012
- 19 December 2012
- 20 June 2013
- 16 December 2013
- 16 June 2014
- 17 December 2014
- 15 June 2015
- 17 December 2015
- 20 June 2016
- 12 January 2017
- 7 July 2017
- 15 January 2018
- 27 June 2018
- 15 January 2019
- 16 January 2020
- 10 August 2020
- 19 January 2021
- 8 July 2021
- 17 January 2022
- 10 June 2022
- 17 January 2023
- 14 June 2023
- 23 January 2024
- 27 June 2024
- 7 November 2024
- 21 January 2025

EU waste framework article numbers
Single layer ceramic capacitors: 853223
Multilayer ceramic capacitors; 853224

Sincerely,

Dan R. Johnson,
Quality Assurance Manager