



Environmental Compliance Certificate

RoHS Compliance Declarations to VRC Customers

Notwithstanding any information provided by Vacuum Research Corporation on its website or in this or other communications concerning the substance content of its products. This document represents our knowledge and belief as of the date that it is provided.

Vacuum Research Corporation (VRC) has taken reasonable steps to provide representative and accurate information, but may not have conducted destructive testing or chemical analysis on incoming materials. This Environmental Compliance Certificate does not constitute a warranty or otherwise amend or supplement VRC's Standard Terms and Conditions of Sale, which governs all warranty and any other product sale terms.

RoHS Compliance Declaration

VRC certifies that to the best of our knowledge, (i) all products manufactured by Vacuum Research Corporation conform to the requirements of the European Union's Restriction on Use of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive 2011/65/EU issued June 8, 2011, and of the China RoHS **with no exceptions**; (ii) no lead (Pb) has been intentionally added to the product or any metallic coatings; and (iii) these products are designed to meet the higher temperature reflow required for lead-free processes.

The following table lists the restricted materials and their respective allowable limits:

Restricted Substance	Maximum Limit (ppm) ¹
Cadmium (Cd)	100 (0.01 weight %)
Lead (Pb)	1000 (0.01 weight %)
Mercury (Hg)	1000 (0.01 weight %)
Hexavalent Chromium (Cr ⁺⁶)	1000 (0.01 weight %)
Poly Brominated Biphenyls (PBB)	1000 (0.01 weight %)
Poly Brominated Diphenyl Ethers (PBDE)	1000 (0.01 weight %)

Note: 1. Maximum limit does not apply to applications covered by RoHS exemptions

Certified by

Name: John F. Hartnett

Title: President

Date: 12/12/13