



Statement of China RoHS Compliance

August 04, 2020

In accordance with China's Administrative Measures on the Control of Pollution Caused by Electrical and Electronic Products (EEP), the following information is provided regarding the names and concentration levels of toxic substances or hazardous substances that may be contained in Exxelia Ohmcraft products relative to the standards set by China's Ministry of Information Industry. The maximum permissible concentration limits in homogeneous materials of the following restricted substances:

- Cadmium – (0.01% by mass or 100 PPM)
- Mercury – (0.1% by mass or 1000 PPM)
- Lead – (0.1% by mass or 1000 PPM)
- Hexavalent chromium – (0.1% by mass or 1000 PPM)
- Polybrominated biphenyls (PBB) – (0.1% by mass or 1000 PPM)
- Polybrominated diphenyl ethers (PBDE) – (0.1% by mass or 1000 PPM)

Many of the products developed by Exxelia Ohmcraft, are purchased for inclusion as components in devices affected by this directive. Therefore, Exxelia Ohmcraft has implemented specific procedures to ensure that products to which RoHS applies conform to RoHS regulations. This is accomplished by a requirement for suppliers of materials included in the products of Exxelia Ohmcraft to provide documentation of the RoHS compliance of these materials. Please note that Exxelia Ohmcraft does not verify this documentation through independent analytical testing.

In certain cases, Exxelia Ohmcraft is unable to obtain this information from the suppliers of its raw materials and must rely on the accuracy and completeness of Materials Safety Data Sheets (MSDS) provided by the suppliers of our raw materials to determine the RoHS compliance status of our products. These MSDS may include incomplete substance content information as a means of protecting proprietary information.

Some non-RoHS compliant products remain available for purchase upon request. The following pages describe the RoHS compliance status of the components produced by Exxelia Ohmcraft, which can be determined by part number. The products declared to be compliant with Directive 2011/65/EU of the European Union (and its subsequent amendments), are compliant by exemption 7(c)-1.

Regards,

A handwritten signature in black ink that reads "Vivek Sharma".

Vivek Sharma
Corporate Quality Manager






Surface-Mount (Chip) Resistors:

The compliance of an Exxelia Ohmcraft chip resistor is determined by its termination type, as all other materials in our T, Z, and G chip resistors are RoHS compliant (often by exemption; see above).

Our Surface-Mount Resistors Include:

- HVC High-Voltage Chip Resistors
- SM Chip Resistors
- MCH Military High-Voltage Chip Resistors
- HC Bondable Chip Resistors

The following table shows whether each termination type is RoHS compliant:

Environmental Protection Characteristic	Exxelia Ohmcraft Product	Hazardous Substance					
		(Pb)	(Hg)	(Cd)	(Cr ⁶⁺)	(PBB)	(PBDE)
	B Termination Sn63Pb37 Dip on Pd/Ag	X	NC	NC	NC	NC	NC
	S Termination Sn63Pb37 Dip on Pt/Pd/Ag	X	NC	NC	NC	NC	NC
	T Termination Sn99.9 on Ni Barrier	O	NC	NC	NC	NC	NC
	Z Termination Sn96.3Ag3.7 or Sn99.9	O	NC	NC	NC	NC	NC
	G Termination Au Bondable Termination	O	NC	NC	NC	NC	NC

O – The toxic or hazardous substance contained in all the homogenous materials used in the product is below the GBT 26572 threshold

X – The toxic or hazardous substance contained in all the homogenous materials used in the product is above the GBT 26572 threshold

NC – not contained

For details, please see our Termination Material Data Sheet Attachment at www.ohmcraft.com




Flat Leaded Resistors:

Leaded resistors are produced with either wire leads or spade leads, as indicated in each product's part number. All Exxelia Ohmcraft wire-leaded resistors are RoHS compliant, while the RoHS compliance of spade-leaded resistors varies (see below).

Leaded Resistors Include:

- HVR High-Voltage Leaded Resistors
- HVD High-Voltage Leaded Resistor Dividers
- CN Custom Leaded Resistor Networks

Whether a leaded resistor has wire or spade leads may be determined by its part number. For example:

Environmental Protection Characteristic	Exxelia Ohmcraft Product	Hazardous Substance					
		(Pb)	(Hg)	(Cd)	(Cr ⁶⁺)	(PBB)	(PBDE)
	HVR <u>W</u> 42H1005F (Wire Leads)	O	NC	NC	NC	NC	NC
	HVR <u>I</u> 42H1005F (Spade Leads)	O	NC	NC	NC	NC	NC
	HVR <u>S</u> 42H1005F	X	NC	NC	NC	NC	NC

O – The toxic or hazardous substance contained in all the homogenous materials used in the product is below the GBT 26572 threshold






X – The toxic or hazardous substance contained in all the homogenous materials used in the product is above the GBT 26572 threshold

NC – not contained

Axial Leaded Resistors:

- CR Axial Leaded Resistors

Axial Leaded Resistors are available with both RoHS and non-RoHS compliant leads. RoHS compliance status may be determined by the last digit of the part number. For Example:

Environmental Protection Characteristic	Exxelia Ohmcraft Product	Hazardous Substance					
		(Pb)	(Hg)	(Cd)	(Cr ⁶⁺)	(PBB)	(PBDE)
	CR2520V12M5J1	X	NC	NC	NC	NC	NC
	CR2520V12M5J2	X	NC	NC	NC	NC	NC
	CR2520V12M5J3	O	NC	NC	NC	NC	NC
	CR2520V12M5J6	O	NC	NC	NC	NC	NC
	CR2520V12M5J7	O	NC	NC	NC	NC	NC

O – The toxic or hazardous substance contained in all the homogenous materials used in the product is below the GBT 26572 threshold

X – The toxic or hazardous substance contained in all the homogenous materials used in the product is above the GBT 26572 threshold

NC – not contained