

Dated: 14 June 2023

REACH Compliance Statement

Knowles Precision Devices is a leading supplier of electronic components, supporting the European REACH Directive and customer requirements of our industry.

REACH directive

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), which established a European Chemicals Agency and amended Directive 1999/45/EC, including legal text published in the Official Journal of the European Union.

REACH restricted substances

All product lines listed in Table 1 comply with the restrictions on substances, mixtures and/or articles that are set out in Annex XVII of REACH, which includes all entries for Lead (Pb) and its compounds.

REACH declarable substances

In compliance and fulfilling the communication requirements of Article 33 of the REACH directive and Article 9 (1)(i) of the SCIP Directive (EU) 2018/851. Knowles declares the parts listed in Table 1 contain the REACH Candidate list Substance of Very High Concern (SVHC) Lead (Pb, CAS number 7439-92-1) and Lead Oxide (PbO CAS number 1317-36-8) in concentrations above the threshold limit of 0.1% w/w.

Number of Substances on the Candidate List: 235 (Latest update: June/14/2023)

The candidate list can be found at the following webpage: <https://echa.europa.eu/-/echa-adds-nine-hazardous-chemicals-to-candidate-list>

Table 1: Product Lines

	Product line	Description	TARIC	SVHC
Knowles Johanson Brand	Cera Trimmer Capacitors	Devices with ceramic dielectric structure & gold finish terminals	8532.30.0000	REACH 235 compliant (17-01-2023)
	Thin Trimmer Capacitors			
	Seal Trimmer Capacitors			
	Ceramic Trimmer Capacitors			
	Variable Inductor			
	Giga Trimmer	Devices with Copper Alloy	8532.30.0000	<u>Copper Alloy</u> Lead (Pb) 0.1 to 4.0% w/w (ii)
	Tuning Element	Devices with Copper Alloy & High Melting temperature type Solders	8532.30.0000	<u>Copper Alloy</u> Lead (Pb) 0.1 to 4.0% w/w (ii) <u>Lead solder</u> Lead (Pb) 0.1 to 20% w/w (i)
	Air Capacitor Trimmer			
	Dyna Trimmer			
	Cera Trimmer Capacitors	Devices with Lead in ceramic dielectric structure & gold finish terminals	8532.30.0000	<u>Dielectric Ceramic</u> Lead (Pb) 0.1 to 4.0% w/w (ii)
	Thin Trimmer Capacitors			
	Seal Trimmer Capacitors			
	Cera Trimmer Capacitors			
	Thin Trimmer Capacitors	Devices with ceramic dielectric structure & solder finish terminals	8532.30.0000	NOT REACH 235 compliant (17-01-2023)
Seal Trimmer Capacitors				

	Product line	Description	TARIC	SVHC
Knowles Voltronics Brand	Voltronics NMNT-Line & NT-Line	Devices with Copper Alloy	8532.30.0000	<u>Copper Alloy</u> Lead (Pb) 0.1 to 4.0% w/w (ii)
	Voltronics NMT-Line & T-Line	Devices with Glass dielectric structure	8532.30.0000	<u>Copper Alloy</u> Lead (Pb) 0.1 to 4.0% w/w (ii) <u>Glass dielectric</u> Lead (Pb) Oxide 0.1 to 1.0% w/w (ii)
	Voltronics Q-Line			
	Voltronics A-Line	Devices with Copper Alloy & High Melting temperature type Solders	8532.30.0000	<u>Copper Alloy</u> Lead (Pb) 0.1 to 4.0% w/w (ii) <u>Lead solder</u> Lead (Pb) 0.1 to 20% w/w (i)
	Voltronics A1-Line			
	Voltronics K-Line			
Voltronics A4-Line	Devices with Copper Alloy & High Melting temperature type Solders			

(i) The Lead substance could represent a risk of exposure through touch.

(ii) The Copper Alloy, Glass Dielectric & Ceramic Dielectric are not exposed and present no hazard to humans or the environment under normal handling and use.

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