

TT Electronics - Welwyn Components Ltd

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CUSTOMER EU REACH, UK REACH & JS709C STATEMENT

Original statement **9th June 2008**, last updated on **23rd January 2025** (EU REACH SVHC candidate list covering **247** substances)

To whom it may concern

TT Electronics Welwyn Components Ltd is committed to meeting the requirements set out in the EU and UK REACH and low halogen regulations and we work with our suppliers to monitor impact on chemicals, preparations and articles supplied to us that are used to make our products.

Our resistor products do not fall into the category of articles 'with intent for release', therefore we do not need to provide our customers with any additional documentation and at present we do not anticipate any disruptions of product supplies to our customers.

All standard, Pb-free fixed resistor products manufactured by TT Electronics Welwyn Components Ltd, including associated packaging materials do not contain SVHCs in the Candidate List, or substances listed in Annex XIV or restricted within Annex XVII of the EU REACH regulations EC 1907/2006, nor within the corresponding lists and annexes of the UK REACH regulations SI 2020/1577, with the exception of products listed in Appendix A which contain >0.1%w/w of Pb under RoHS exemptions.

All standard fixed resistor products manufactured by TT Electronics Welwyn Components Ltd meet the below requirements of JS709C for low halogen products:

- Contains <1000ppm Br within BFRs
- Contains <1000ppm Cl within CFRs, PVC, PVC congeners, PVC block polymers, PVC copolymers, or polymer alloys containing PVC
- Contains <900ppm Br and <900ppm Cl and <1500ppm total Br+Cl in printed board laminates

For further details on individual products, see the Compliance Tab of the information page for the relevant product on our website. Enter the relevant product type in the Product Data Search box at <https://www.ttelectronics.com>.


Customer REACH Statement

Note that this declaration is made in good faith but the standard Terms and Conditions of Welwyn Components Ltd take precedence over this declaration and no additional liability is accepted.

Mark Grainger, Quality Manager

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Additional information on Articles

An article is the legal term under REACH for any object that has been given a specific shape, surface, or design so that it can be used for a specific purpose (e.g., manufactured goods such as cars, textiles, electronic chips). REACH requires all substances that are intended to be released from articles during normal and reasonably foreseeable conditions of use to be registered according to the normal rules, if they are produced or imported in quantities exceeding 1 tonne/year per producer or importer. Such notification is not required, however, when exposure to humans and environment can be excluded during normal conditions of use, including disposal, and this applies to all component and subassembly products manufactured by Welwyn.

Appendix A

The following thick-film products with Pb-free termination finish contain >0.1% w/w of Pb in a constituent article.

A SCIP Declaration containing full details is available at:

<https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Compliance/SCIP-Reporting-Declaration-Resistors.xlsx>

Product Series	Product Type / Size	Pb contained	RoHS Exemption
4500	All	Lead oxide in glass	7(c)-I
4530	All	Lead oxide in glass	7(c)-I
ASC	All except ASC0603 & ASC0805	Lead oxide in glass	7(c)-I
BCN	All	Lead oxide in glass	7(c)-I
BPC	All	Lead oxide in glass	7(c)-I
BPR	All	Lead oxide in glass	7(c)-I
CR	All	Lead oxide in glass	7(c)-I
D	All	Lead oxide in glass	7(c)-I
DPCR	All	Lead oxide in glass	7(c)-I
DSC	All	Lead oxide in glass	7(c)-I
F	All	Lead oxide in glass	7(c)-I
GCR	All	Lead oxide in glass	7(c)-I
HDSC	All	Lead oxide in glass	7(c)-I
HPDC	All	Lead oxide in glass	7(c)-I
HPWC	All	Lead oxide in glass	7(c)-I
HR	All	Lead oxide in glass	7(c)-I
HTCR	All	Lead oxide in glass	7(c)-I
HVC	All	Lead oxide in glass	7(c)-I
L	All	Lead oxide in glass	7(c)-I
LHR	All	Lead oxide in glass	7(c)-I
LHVC	All	Lead oxide in glass	7(c)-I
LRCS/LVC	All	Lead oxide in glass	7(c)-I
LRF3W	All	Lead oxide in glass	7(c)-I
LRF4W	All	Lead oxide in glass	7(c)-I
LRZ	LRZ0603 only	Lead oxide in glass	7(c)-I
PCR	All	Lead oxide in glass	7(c)-I
PWC	All	Lead oxide in glass	7(c)-I
SC3	All	Lead oxide in glass	7(c)-I
T40	All	Lead oxide in glass	7(c)-I
VRW	All	Lead oxide in glass	7(c)-I
WCR	All except WCR0201	Lead oxide in glass	7(c)-I
WHPC	All except WHPC1206 & WHPC2010	Lead oxide in glass	7(c)-I
WMHP	All	Lead oxide in glass	7(c)-I
WSMHP	All	Lead oxide in glass	7(c)-I

Appendix B

The following thick-film products with Pb-free termination finish contain Pb in a constituent article but at <0.1% w/w. They therefore do not give rise to any SCIP reporting requirement.

Product Series	Product Type / Size	Pb contained	RoHS Exemption
ASC	ASC0603 & ASC0805 only	Lead oxide in glass	7(c)-I
FCR	All	Lead oxide in glass	7(c)-I
HVD	All	Lead oxide in glass	7(c)-I
HVP	All	Lead oxide in glass	7(c)-I
LR(F)	All	Lead oxide in glass	7(c)-I
LRZ	All except LRZ0603	Lead oxide in glass	7(c)-I
PWP	All	Lead oxide in glass	7(c)-I
RHVD	All	Lead oxide in glass	7(c)-I
WCR	WCR0201 only	Lead oxide in glass	7(c)-I
WHPC	WHPC1206 & WHPC2010 only	Lead oxide in glass	7(c)-I