

## Material data sheet

Product group:	<b>(Mn,Zn)-Ferrite Cores (uncoated) with plating – lead free</b>
Product types:	EMI-suppression products

Part	Group	Material	CAS # (if applicable)	Weight %	Remarks
Ferrite	Ceramics	(Mn,Zn)-Fe <sub>2</sub> O <sub>3</sub>	12645-49-7	98 – 99	-
Base		Cu	7440-50-8	0 – 2	-
Plating		Sn	7440-31-5	0 – 2	-
<i>Total</i>				<i>100</i>	

### Weight of the products

Core shape	Size [mm]	Approx. weight [g]	Core shape	Size [mm]	Approx. weight [g]
BDS	3/1.8/5.3 - 4.6/3/8.9	0.1 – 0.5			
BDW	3.5/3.5 – 3.5/14	0.1 – 0.6			
CMS	2-5.6/3/4.8 – 4-11/3/8.9	0.3 – 1.1			
IIC10	14/4	2			
WBC	1.5 – 3	1.2			
WBS	2.5-5/10	1			

All products are RoHS compatible according to Directive “2002/95/EC” of the European Parliament from 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and related commission decisions (2005/618/EC \ 2005/717/EC \ 2005/747/EC \ 2006/310/EC).

**REACH statement:** FERROXCUBE follows the guidelines provided by the Federation of Electronic Components and Systems of ZVEI for producers of passive components for evaluating ceramic substances and articles under REACH. In conformance with the definition given in REACH Article 3 (3), shaped ferrite products have to be classified as articles, and therefore are not subject to registration. All chemical substances necessary for the fabrication of ferrites will be registered according to the REACH regulation. FERROXCUBE will comply with all REACH obligations concerning the transfer of information along the supply chain. For that purpose, a designated contact is provided. Please feel free to address your questions related to the impact of REACH on FERROXCUBE’s products to your local sales contact or to [reach@ferroxcube.com](mailto:reach@ferroxcube.com).

**Remarks:** (Ni,Zn)-Ferrites do not contain free NiO. Traces are product compounds below 0.1 weight %. An overview of legal restrictions for traces is issued by the EICTA organisation as the “C4E list”. Ferrites may contain the following elements in traces: cobalt, barium, copper, silicon, phosphor, vanadium, aluminum, potassium. Neither lead nor cadmium nor mercury or its compounds nor hexavalent chromium is added to the product. Exact compositions are treated as company property and therefore kept confidential.

Information given in this material data sheet is based on present knowledge. Ferrite products used in its aimed application do not bear risks to human beings and the environment.

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