



Inductive Components

Material Data Sheet

Product Family Name	RF Chokes axial, radial B82144* /B82145* (LBC/HLBC)	 
Date	23.06.2006	
Version	02	

Construction Element	Material group	Materials	CAS if applicable	mass [weight-%]			Sum [%]	Traces
				min	typical	max		
Active Part							43	
	Ceramics	Ni-Zn-Ferrite May contain up to 3% of Pb-compound as a dopant*)	12645-50-0	42	43	44		
Encapsulation							3.5	
	Laquer coating			2	3	5		
	Polymers	Epoxy resin		0,3	0.5	0,8		
Termination / Conductors							53.5	
	Metals	Cu	7440-50-8	35	50.2	65		
		Sn	7440-31-5		0.3			
		Pb (in HighTemp- solder) *)	7439-92-1		3			
						Sum in total:	100	

Case sizes:	D x L x H [mm]	Approx. weight [g]
B82144-A2105-J009	5.2x12.0	1.05
B82144-A2107J (axial)	5.2 x 12.0	0.90
B82144-A2222K(axial)	5,2 x 12.0	0.67
B82144-B1102K(radial)	6.5 x 9.2	0.68
B82144-B1107J(radial)	6.5 x 9.2	0.97

Company	EPCOS AG	Important remarks: 1) Traces are product parts, substances etc. that are below a percent tage of 0.1 % by weight, if not otherwise regulated (see note no. 2). 2) A list of the (legal) "... restrictions on substances ..." or materials is available at internet address: 3) http://www.eicla.org/issue.asp?level2=47&level1=3&level0=18&docid=441 Subst ances, materials etc. with possible harmful effects on human beings and the environment are listed. 4) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.
	Dr. Gerd Schulz, Director EH&S, Dep. TQ	
Phone / Fax	+49 89 636 22274 / +49 89 636 28484	
Mail	mailto:gerd.schulz@epcos.com	
<p>The component is RoHS-compatible, what means compatible with the requirements of the directives listed below and with the requirements of the provisions which will result from transformation of the directives into national law to the extent such provisions reflect the Regulations. Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("Directive 2002/95/EC"); Commission Decision of 18 August 2005 amending Directive 2002/95/EC (2005/618/EC); Commission Decision of 13 October 2005, of 21 October 2005, of 21 February 2006 amending the Annex to Directive 2002/95/EC (2005/717/EC; 2005/747/EC, 2006/310/EC).</p> <p>*) exempted by Annex 2002/95/EC (RoHS):</p> <p>7 (a) Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead.</p> <p>7 (c) Lead in electronic ceramic part (e.g. piezoelectric devices)</p>		