


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	2309-H-RC			
Product Line	High Current Toroid Inductor			
Compliance Date	01/01/2006			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)	
1	Toroid core	Iron Powder	29.433	Iron Powder	7439-89-6	95.5	91.179	96.045	
				Resin	Trade Secret	3.57	2.40		
				Lubricant	67701-02-4	0.93	0.48		
		Blue Paint	0.300	epoxy resin	25068-38-6	75	0.75		
				solvent naphtha	64742-95-6	15	0.15		
				titanium dioxide	13463-67-7	6.7	0.06		
				3-(2,3-epoxypropyl) propyl trimethoxy	2530-83-8	3	0.03		
		Green Paint	0.300	para-nolylphenol	84852-15-3	0.3	0.003		
				epoxy resin	25068-38-6	75	0.75		
				solvent naphtha	64742-95-6	15	0.15		
				3-(2,3-epoxypropyl) propyl trimethoxy	2530-83-8	9.7	0.09		
		Copper	0.0124	Copper	7440-50-8	100	0.07		0.075
				THEIC Polyester	26061-97-2	75	0.005		
				Polyamidimide con	25053-57-0	25			
Epoxy/Polyester	0.080			Epoxy / Polyester	65997-17-3	75	0.670	1.07	
		Silicon Adhesive	Mixture	25	0.400				
Adhesive	Epoxy Resin	0.180	Epoxy Resin	25068-38-6	86.67	2.090	2.41		
			Oxirane	2426-08-6	10.0	0.241			
			Silica, Amorphous	112945-52-5	3.33	0.080			
Solder	Tin	0.030	Tin	7440-31-5	95.2	0.381	0.40		
			Silver	7440-22-4	3.8	0.015			

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			Copper	7440-50-8	1.0	0.004		
		Total weight	30.34	*This Document was updated on: 2025/1/10				