


MATERIAL DECLARATION

BOURNS®

Material Number	5900 Series			
Product Line	Power Inductor			
Compliance Date	2016 / 04 / 11			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ferrite Material	DL5	4500	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0	39.05	75.10
				Zinc oxide (ZnO)	1314-13-2	15.0	11.27	
				Cupric oxide(CuO)	1317-39-1	17.0	12.77	
				Nickel oxide (NiO)	1313-99-1	16.0	12.02	
2	Winding Wire	2-SFBW	500	Copper(Cu)	7440-50-8	91.0	7.59	8.34
				Polyester Resin	9009-54-5	9.0	0.75	
3	Lead Wire	CP Wire	350	Copper (Cu)	7440-50-8	18.0	1.05	5.84
				Tin (Sn)	7440-31-5	7.9	0.46	
				Iron	7439-89-6	74.1	4.33	
4	Adhesive	G500HF	120	Bisphenol A, epichlorohydrin polymer	25068-38-6	62.0	1.24	2.00
				talc	14807-96-6	21.0	0.42	
				Hexane - 1, 6-2 glycidyl ether	16096-31-4	11.0	0.22	
				Crystalline silica	14808-60-7	5.0	0.10	
5	Solder	0505H	210	Titanium dioxide	13463-67-7	1.0	0.02	3.50
				Tin (Sn)	7440-31-5	99.0	3.47	
				Silver (Ag)	7440-22-4	0.5	0.02	
6	Tube	Tube	310	Copper (Cu)	7440-50-8	0.5	0.02	5.17
				Polyolefin	9002-88-4 24937-78-8	80.0	4.14	

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				Magnesium hydroxide	1309-42-8	15.0	0.78	
				Pigment	-	5.0	0.26	
7	Ink	Ink	2	Titanium dioxide	13463-67-7	14.0	0.00	0.03
				Synthetic resin	68648-53-3	45.0	0.02	
				Isophorone	78-59-1	28.0	0.01	
				Butyl ester	592-84-7	13.0	0.00	
		Total weight	5992					

This Document was updated on: 2016/04/11

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.