


MATERIAL DECLARATION SHEET

BOURNS®

Part Number	SRF1010DA series			
Product Line	Power Inductor			
Compliance Date	2017/07/17			
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	Base	SUMIKASUPER LCP RESIN_E4008MRB	0.069762	Aromatic polyester resin	60088-52-0	59.500	1.797	3.02
				Glass fiber	63997-17-3	39.500	1.193	
				Carbon black	1333-86-4	1.000	0.030	
2	Alloy Body	Alloy Powder	1.65396	Iron	7439-89-6	93.800	67.161	71.60
				Silicon	7440-21-3	4.200	3.007	
				Chromium	7440-47-3	2.000	1.432	
3	Copper/ Coating	Copper Wire	0.4389	Copper	7440-50-8	100.000	19.000	20.00
		Copper Colored Coating On The Magnet Wire_AIW	0.0231	Polyamideimide Resin	63428-84-2	100.000	1.000	
4	Terminal-Clip	Copper_C1100	0.122892	Copper	7440-50-8	92.000	4.894	5.32
		Ni Coating		Nickel	7440-02-0	2.000	0.106	
		Lead Free Solder		Tin	7440-31-5	6.000	0.319	
5	Adhesive	EPOXY_ME-5890LC	0.001155	Phenolic Epoxy resin	61788-97-4	50.000	0.025	0.05
				Carbon black	1333-86-4	46.000	0.023	
				Acrylated Aliphatic Urethane	68987-79-1	4.000	0.002	
6	Marking	Hitachi IJ Printer INK	0.000231	Misc. not to declare	N/A	5.000	0.0005	0.01
				Carbon black	1333-86-4	95.000	0.0095	
Total weight			2.31					

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