


MATERIAL DECLARATION SHEET

Material Number	SRN4018TA series			
Product Line	Power Inductor			
Compliance Date	2015/06/10			
RoHS Compliant	Yes	MSL	Level 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	Ferrite body	Ferrite Ni-Zn Series	0.08395	Iron oxide	1309-37-1	62.000	45.260	73.00
				Nickel oxide	1313-99-1	11.000	8.030	
				Zinc oxide	1314-13-2	20.000	14.600	
				Copper oxide	1317-38-0	7.000	5.110	
2	Copper/ Coating	Copper Wire	0.0138	Copper	7440-50-8	100.000	12.000	15.00
		Copper Colored Coating On The Magnet Wire_SFHW	0.00345	Polyurethane Resin	26680-22-8	100.000	3.000	
3	Terminal	Silver paste_DP4303W	0.00345	Silver	7440-22-4	73.7	2.211	3.00
				Silicon dioxide	60676-86-0	15.8	0.474	
				Resins	9004-57-3	10.5	0.315	
4	Solder Base	Nickel	0.00115	Nickel	7440-02-0	100.000	1.000	1.00
5	Solder	Lead Free Solder	0.00115	Tin	7440-31-5	100.000	1.000	1.00
6	Adhesive	Magnetic resin	0.00805	Iron	7439-89-6	53.6	3.752	7.00
				Silicon	7440-21-3	2.4	0.168	
				Chromium	7440-47-3	1.1	0.077	
				Polyester Resin	113669-95-7	34.3	2.401	
				Carbon black	1333-86-4	8.6	0.602	
Total weight			0.115					

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