


MATERIAL DECLARATION SHEET



Material Number	SRN3010C Series			
Product Line	Power Inductor			
Compliance Date	2022/09/14			
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	0.02769	Iron oxide	1309-37-1	62.000	46.382	74.81
				Nickel oxide	1313-99-1	11.000	8.229	
				Zinc oxide	1314-13-2	20.000	14.962	
				Copper oxide	1317-38-0	7.000	5.237	
2	Copper/ Coating	Copper Wire	0.00444	Copper	7440-50-8	100.000	12.000	15.00
		Copper Colored Coating On The Magnet Wire_SFHW	0.00111	Polyurethane Resin	26680-22-8	100.000	3.000	
3	Terminal-Ag	Silver paste_DP4303W	0.00083	Silver	7440-22-4	73.700	1.658	2.25
				Silicon dioxide	60676-86-0	15.800	0.356	
				Resins	9004-57-3	10.500	0.236	
4	Terminal-Ni	S Nickel Pellets	0.00009	Nickel	7440-02-0	100.000	0.250	0.25
5	Terminal-Sn	Lead Free Solder	0.00009	Tin	7440-31-5	100.000	0.250	0.25
6	Solder	Lead-Free Solder Bar	0.00016	Tin	7440-31-5	99.300	0.437	0.44
				Copper	7440-50-8	0.700	0.003	
7	Adhesive	MAGNETIC RESIN	0.00259	Iron	7439-89-6	59.400	4.158	7.00
				Silicon	7440-21-3	2.100	0.147	
				Chromium	7440-47-3	1.000	0.070	
				Polyester Resin	113669-95-7	30.000	2.100	
				Carbon black	1333-86-4	7.500	0.525	
Total weight			0.037					

This Document was updated on: 2022/09/14

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.