


MATERIAL DECLARATION



Material Number	SRN4018 series			
Product Line	Semi-Shielded SMD Power Inductor			
Compliance Date	2017/06/13			
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 CORE	CORE	78.00	Iron oxide (Fe ₂ O ₃)	1309-37-1	55	41.85	76.10
				Nickel oxide (NiO)	1313-99-1	11	8.37	
				Zinc oxide (ZnO)	1314-13-2	25	19.02	
				Cupric oxide(CuO)	1317-38-0	5	3.80	
		PLATING		Silver (Ag)	7440-22-4	1	0.76	
		Glass		65997-17-3	1	0.76		
		Tin (Sn)		7440-31-5	1	0.76		
		Nickel (Ni)		7440-02-0	1	0.76		
2	WIRE	Copper Wire	12.00	Copper (Cu)	7440-50-8	96	11.24	11.71
				Polyurethane Resin	9005-54-5	4	0.47	
3	TERMINAL	Sn/Ag/Cu	7.00	Tin (Sn)	7440-31-5	96.50	6.59	6.83
				Silver (Ag)	7440-22-4	3	0.20	
				Copper (Cu)	7440-50-8	0.50	0.03	
4	GLUE	FERRITE GLUE	5.00	Iron oxide (Fe ₂ O ₃)	1309-37-1	40	1.95	4.88
				Manganese oxide (MnO)	1344-43-0	5.40	0.26	
				Zinc oxide (ZnO)	1314-13-2	4.60	0.22	
				Dimethyl Siloxane, dimethylvinyl-terminated	68083-19-2	30	1.46	
				Dimethylvinylated and trimethylated silica	68988-89-6	4	0.20	

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				Dimethyl, methylhydragen siloxane	68037-59-2	16	0.78	
5	MARKING	Black Ink	0.50	Chrome III- Complex Dye	72812-34-1	100.0	0.49	0.49
		Total weight	102.50					

This Document was updated on: 2017/06/13

Important remarks:

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