


# MATERIAL DECLARATION SHEET



Material Number	SRN5040 SERIES			
Product Line	Semi-Shielded SMD Power Inductor			
Compliance Date	Since inception			
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	Core	Ferrite Ni-Zn Series	207.36	Iron oxide	1309-37-1	57.29	39.079	68.211
				Nickel oxide	1313-99-1	11.46	7.816	
				Zinc oxide	1314-13-2	26.04	17.763	
				Copper oxide	1317-38-0	5.21	3.553	
		Plating	8.64	Silver	7440-22-4	25	0.711	2.842
				Glass non lead	65887-18-4	25	0.711	
				Tin	7440-31-5	25	0.711	
				Nickel	7440-02-0	25	0.711	
2	Winding Wire	P180	60.00	Copper	7440-50-8	96	18.947	19.737
				Polyurethane Resin	9009-54-5	4	0.789	
3	Terminal	NP 303	7.00	Tin	7440-31-5	96.5	2.222	2.303
				Silver	7440-22-4	3	0.069	
				Copper	7440-50-8	0.5	0.012	
4	Adhesive	FERRITE GLUE	21.00	Iron oxide	1309-37-1	40	2.697	6.743
				Nickel oxide	1313-99-1	5.4	0.364	
				Zinc oxide	1314-13-2	4.6	0.310	
				Vinyl silicone oil	68083-19-2	30	2.023	
				DIMETHYLVINYLATED AND TRIMETHYLATED SILICA	68988-89-6	4	0.270	
				Dimethylhydropolysiloxane	68037-59-2	16	1.079	

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5	Marking	JPK-67	0.5	Chrome III- Complex Dye	72812-34-1	95	0.161	0.164
				Misc not to declare	N/A	5	0.003	
		Total weight	304					

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