


# MATERIAL DECLARATION SHEET



Material Number	LOW PROFILE POWER INDUCTORS			
Product Line	SRN5020 SERIES			
Compliance Date	9/27/2012			
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	FERRITE	116.15	Iron oxide	1309-37-1	66	43.28	65.58
				Nickel oxide	1313-99-1	15.5	10.17	
				Zinc oxide	1314-13-2	15.5	10.17	
				Copper oxide	1317-38-0	2	1.31	
				Glass	65997-18-4	1	0.65	
2	INNER PLATING	Ag/Pd	1.0	Silver/Palladium	7440-22-4 7440-05-3	100	0.56	0.56
3	MIDDLE PLATING	Nickel	1.0	Nickel	7440-02-0	100	0.56	0.56
4	FINISH PLATING	Tin	1.0	Tin	7440-31-5	100	0.56	0.56
5	COPPER WIRE	P180	40.85	Copper	7440-50-8	96	22.18	23.10
				Polyurethane Resin	9005-54-8	4	0.92	
6	SOLDER	NP303	9.2	Tin	7440-31-5	96.5	5.00	5.19
				Silver	7440-22-4	3.0	0.16	
				Copper	7440-50-8	0.5	0.03	
				Iron oxide	1309-37-1	40	1.784	

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				Nickel oxide	1313-99-1	5.4	0.241	4.46
				Zinc oxide	1314-13-2	4.6	0.205	
				Siloxanes and silicones, di-Me, vinyl group terminated	68083-19-2	30	1.34	
				Dimethylated and trimethylated silica	68988-89-6	4	0.18	
				Methylhydrosiloxane - dimethyl siloxane copolymer	68037-59-2	16	0.71	
			Total weight	177.1				

**Date: November 21, 2012**

**Important remarks:**

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