


# MATERIAL DECLARATION SHEET



Material Number	SRN5030HA Series			
Product Line	Semi-shielded SMD Power Inductor			
Compliance Date	2020/12/03			
RoHS Compliant	YES	MSL	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	DR Core	BN251B	0.2	Iron oxide	1309-37-1	65.00	41.935	64.52
				Nickel oxide	1313-99-1	13.50	8.710	
				Zinc oxide	1314-13-2	16.50	10.646	
				Cupric Oxide	1317-38-0	5.00	3.226	
2	Terminal	Plating	0.01	Silver	7440-22-4	50.0	1.613	3.22
				Nickel	7440-02-0	25.00	0.806	
				Tin	7440-31-5	25.00	0.806	
3	Wire	P180-G2	0.05	Copper	7440-50-8	95.00	15.323	16.13
				Polyurethane resin	9009-54-5	5.00	0.806	
4	Adhesive	Magnetic conductive adhesive	0.04	Iron	7439-89-6	65.00	8.387	12.90
				Quartz	14808-60-7	12.00	1.548	
				Dimethyl Siloxane, Dimethylvinylsiloxo terminated	68083-19-2	23.00	2.968	
5	Solder bar	0505H	0.01	Tin	7440-31-5	99.0	3.194	3.23
				Silver	7440-22-4	0.50	0.016	
				Copper	7440-50-8	0.50	0.016	
		Total weight	<b>0.31</b>					

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**BOURNS®**

**This Document was updated on: 2020/12/03**

**Important remarks:**

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