


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SRR1050HA Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021/01/06			
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 + RI Core	Ferrite	1.41	Iron oxide	1309-37-1	65.0	49.541	76.22
				Nickel oxide	1313-99-1	12.0	9.146	
				Zinc oxide	1314-13-2	17.0	12.957	
				Cupric oxide	1313-99-1	6.0	4.573	
2	Winding Wire	Copper	0.31	Copper	7440-50-8	95.0	15.919	16.76
				Polyester Resin	68604-67-1	5.0	0.838	
3	Clip	Copper	0.06	Copper	7440-50-8	93.7	3.039	3.24
				Tin	7440-31-5	6.1	0.198	
				Phosphorus	7723-14-0	0.2	0.006	
		Plating	0.01	Tin	7440-31-5	80.0	0.432	0.54
Nickel	7440-02-0	20.0	0.108					
4	Adhesive	Adhesive	0.01	Epoxy resin	25068-38-6	64.0	0.346	0.54
				Calcium carbonate	1317-65-3	32.0	0.173	
				Misc not to declare	N/A	4.0	0.022	
5	Solder	Tin	0.05	Tin	7440-31-5	99.0	2.676	2.70
				Silver	7440-22-4	0.5	0.013	
				Copper	7440-50-8	0.5	0.013	
			Total weight	1.85				

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**This Document was updated on: 2021/01/06**

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