


# MATERIAL DECLARATION SHEET



Material Number	SRR3818A SERIES (220-221)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2023/03/03			
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/RI Core	Ferrite	0.0948	Iron oxide	1309-37-1	64.96	56.102	86.19
				Nickel oxide	1313-99-1	13.94	12.038	
				Zinc oxide	1314-13-2	16.95	14.639	
				Cupric Oxide	1317-38-0	3.95	3.411	
		Terminal plating	0.0002	Silver	7440-22-4	0.10	0.086	0.17
				Nickel	7440-02-0	0.05	0.043	
Tin	7440-31-5			0.05	0.043			
2	WIRE	Copper wire	0.009	Copper	7440-50-8	95.0	7.773	8.18
				Polyesterimide	37317-16-1	5.00	0.409	
3	Adhesive	Epoxy 1	0.002	Bisphenol A Epoxy Resin	25068-38-6	67.0	1.218	1.82
				Alkyl glycidyl ether	68609-97-2	5.0	0.091	
				Carbon Black	1333-86-4	5.0	0.091	
				Aluminum hydroxide	21645-51-2	23.0	0.418	
4	Adhesive	Epoxy 2	0.002	Epoxy resin	25068-38-6	62.5	1.137	1.82
				Calcium Carbonate	1317-65-3	33.3	0.061	
				Thermoplastic copolymer	NA	4.2	0.076	
5	Solder	Tin	0.002	Tin	7440-31-5	96.50	1.755	1.82
				Silver	7440-22-4	3.00	0.055	
				Copper	7440-50-8	0.50	0.009	
		Total weight	0.110					

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This Document was updated on: 2023/03/03

**Important remarks:**

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