


MATERIAL DECLARATION SHEET



Material Number	SRR6038 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2026/4/22			
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	Ferrite Material	Ferrite	0.668	Iron oxide (Fe ₂ O ₃)	1309-37-1	63.0%	52.60%	83.50
				Nickel oxide (NiO)	1313-99-1	12.0%	10.02%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	16.70%	
				Cupric oxide(CuO)	1317-38-0	5.0%	4.18%	
2	Winding Wire	Copper (C11000)	0.043	Copper(Cu)	7440-50-8	95.0%	5.33%	5.61
		Coating	0.002	Polyurethane resin	9009-54-5	5.0%	0.28%	
3	Terminal	Plating	0.014	Silver(Ag)	7440-22-4	100.0%	1.78%	2.75
				Nickel (Ni)	7440-02-0	100.0%	0.39%	
				Tin (Sn)	7440-31-5	100.0%	0.58%	
4	Adhesive	Epoxy	0.033	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.68%	4.13
				Epoxy thinning agent	68609-97-2	5.3%	0.22%	
				Potential hardener	693-98-1	5.3%	0.22%	
				Color	1333-86-4	24.5%	1.01%	
5	Solder bar	Tin	0.015	Tin (Sn)	7440-31-5	96.50%	1.81%	1.88
				Silver(Ag)	7440-22-4	3.00%	0.06%	
				Copper(Cu)	7440-50-8	0.50%	0.01%	
6	Solder Wire	Tin	0.014	Tin (Sn)	7440-31-5	99.0%	1.73%	1.75
				Silver(Ag)	7440-22-4	0.5%	0.01%	
				Copper(Cu)	7440-50-8	0.5%	0.01%	
7	Ink	Black	0.003	Solvent Black 29	61901-87-9	25.5%	0.10%	0.38
				Polyacrylic acid	9003-01-4	62.0%	0.23%	
				Silicone oil	63148-62-9	12.5%	0.05%	

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BOURNS[®]

Total weight	0.8
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This Document was updated on: 2026/4/22

Important remarks:

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