

# MATERIAL DECLARATION SHEET



Material Number	RLB9012-L series (1R0~103)			
Product Line	Radial Inductor			
Compliance Date	2025/2/25			
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	CORE	Ferrite	1.261	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	52.0%	34.15%	65.68
				Zinc oxide (ZnO)	1314-13-2	15.0%	9.85%	
				Cupric oxide(CuO)	1317-38-0	17.0%	11.17%	
				Nickel oxide (NiO)	1313-99-1	16.0%	10.51%	
2	Lead Wire	CP Wire	0.153	Iron (Fe)	7439-89-6	76.0%	6.06%	7.97
				Copper (Cu)	7740-50-8	20.0%	1.59%	
				Tin (Sn)	7440-31-5	3.7%	0.29%	
				Nickel (Ni)	7740-02-0	0.3%	0.02%	
3	WIRE	Copper (C11000)	0.43	Copper(Cu)	7440-50-8	99.95%	22.25%	22.27
				Misc. ,not to declare	\	0.05%	0.02%	
		Resin	0.02	Polyurethane	9009-54-5	100.0%	1.17%	1.17
4	Adhesive	Epoxy	0.016	Epoxy Resin	25068-38-6	60.6%	0.51%	0.83
				Calcium carbonate	471-34-1	21.3%	0.18%	
				Aluminium hydroxide	21645-51-2	16.0%	0.13%	
				Carbon Black	1333-86-4	2.1%	0.02%	
5	Solder	100H	0.025	Tin (Sn)	7440-31-5	100.0%	1.302%	1.30
6	Tube	Tube	0.013	Polyethylene	9002-88-4	55.0%	0.37%	0.68
				Magnesium Hydroxide	1309-42-8	38.0%	0.26%	
				Carbon black	1333-86-4	4.0%	0.03%	
				Phosphorous	7723-14-0	3.0%	0.02%	

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7	Ink	white ink	0.002	Cyclic isoprene modified phenol	68441-13-4	17.8%	0.015%	0.10
				Titanium dioxide	13463-67-7	75.0%	0.075%	
				Silica	112945-52-5	5.4%	0.006%	
				Cobalt Naphthenate	61789-51-3	1.8%	0.002%	
		Total weight	1.92					

**This Document was updated on: 2025/2/25**

**Important remarks:**

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