

# MATERIAL DECLARATION



Material Number	RLB9012 SERIES (1R0~103)			
Product Line	Radial Inductor			
Compliance Date	2020/11/04			
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	1309-37-1	52.0	34.15	65.68
				Zinc oxide	1314-13-2	15.0	9.84	
				Cupric oxide	1317-38-0	17.0	11.17	
				Nickel oxide	1313-99-1	16.0	10.51	
2	Lead Wire	CP Wire	0.153	Iron	7439-89-6	76.0	6.06	7.97
				Copper	7740-50-8	20.0	1.58	
				Tin	7440-31-5	3.7	0.29	
				Nickel	7740-02-0	0.3	0.02	
3	WIRE	Copper	0.45	Copper	7440-50-8	95.0	22.27	23.44
				Modified Polyester Resin	9009-54-5	5.0	1.17	
4	Adhesive	Adhesive	0.016	Epoxy Resin	25085-99-8	50.0	0.42	0.83
				Epoxide Diluent	26761-45-5	7.0	0.06	
				Dicyandiamide	461-58-5	6.0	0.05	
				Calcium carbonate	471-34-1	20.0	0.17	
				Aluminum hydroxide	21645-51-2	15.0	0.13	
5	Solder	Tin	0.025	Tin	7440-31-5	100.0	1.3	1.30
				Carbon Black	1333-86-4	2.0	0.02	
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	

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				Phosphorous	7723-14-0	3.0	0.02	
7	Ink	ink	0.002	Cyclic isoprene modified phenol	68441-13-4	15.2	0.015	0.10
				Phenolic modified rosin	-	15.2	0.015	
				Titanium dioxide	13463-67-7	63.6	0.065	
				Silica	112945-52-5	4.5	0.004	
				Co Naphthenate	61789-51-3	1.5	0.001	
		Total weight	1.92					

**This Document was updated on: 2020/11/04**

**Important remarks:**

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