

MATERIAL DECLARATION SHEET



Material Number	RL110 series			
Product Line	Radial Inductor			
Compliance Date	2026/02/04			
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	1.55	Iron oxide (Fe ₂ O ₃)	1309-37-1	60.0	33.60	54.2
				Zinc oxide (ZnO)	1314-13-2	20.0	10.84	
				Cupric oxide(CuO)	1317-38-0	10.0	5.42	
				Nickel oxide (NiO)	1313-99-1	10.0	4.34	
2	Wire	Copper (C11000)	1.064	Copper(Cu)	7440-50-8	100.0	37.20	39.16
		Resin	0.056	Modified Polyester Resin	9009-54-5	100.0	1.958	
3	Lead wire	CP wire	0.077	Iron (Fe)	7439-89-6	76.0	2.044	2.69
				Copper (Cu)	7740-50-8	20.0	0.538	
				Tin (Sn)	7440-31-5	3.7	0.100	
				Nickel (Ni)	7740-02-0	0.3	0.008	
4	Adhesive	Epoxy	0.05	Epoxy Resin	25085-99-8	50.0	1.05	1.75
				Epoxide Diluent	26761-45-5	7.0	0.28	
				Dicyandiamide	461-58-5	8.0	0.04	
				Calcium carbonate	471-34-1	35.0	0.38	
5	Solder bar	Tin	0.06	Tin (Sn)	7440-31-5	100.0	2.098	2.1
6	Marking	Ink	0.003	Silica	7631-86-9	12.70	0.013	0.1
				C.I.Pigment Blue 15	147-14-8	36.51	0.038	

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				Carbon Black	1333-86-4	46.03	0.048	
				Cobalt naphthenate	61789-51-3	4.76	0.005	
		Total weight	2.86					

This Document was updated on: 2026/02/04

Important remarks:

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