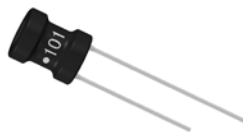


MATERIAL DECLARATION SHEET



Material Number	RLB9012 series (123~473)			
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 ₂ O ₃)	1309-37-1	52.0%	34.15%	65.67
				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%	1.17
		Resin	0.02	polyurethane Resin	9009-54-5	100.0%	1.17%	
4	Adhesive 1	Epoxy	0.008	Epoxy Resin	25068-38-6	60.6%	0.25%	0.42
				Calcium carbonate	471-34-1	21.3%	0.09%	
				Aluminium hydroxide	21645-51-2	16.0%	0.07%	
				Carbon Black	1333-86-4	2.1%	0.01%	
5	Adhesive 2	Epoxy	0.008	Bisphenol A Epoxy Resin	25068-38-6	64.6%	0.27%	0.42
				Epoxy thinning agent	68609-97-2	5.40%	0.02%	
				Carbon Black	1333-86-4	5.40%	0.02%	
				Aluminum hydroxide	21645-51-2	24.6%	0.10%	

MATERIAL DECLARATION SHEET



6	Solder	Tin	0.025	Tin (Sn)	7440-31-5	99.0%	1.29%	1.30
				Silver(Ag)	7440-22-4	0.5%	0.01%	
				Copper(Cu)	7440-50-8	0.5%	0.01%	
7	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%	
8	Ink	white ink	0.002	Cyclic isoprene modified phenol	68441-13-4	17.8%	0.017%	0.10
				Titanium dioxide	13463-67-7	75.0%	0.075%	
				Silica	112945-52-5	5.4%	0.006%	
				Co 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.