

MATERIAL DECLARATION SHEET



Material Number	RLB1118 Series			
Product Line	Radial Inductor			
Compliance Date	2024 / 03 / 12			
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	2.5	Iron oxide	1309-37-1	52.0%	20.313%	39.07%
				Zinc oxide	1314-13-2	15.0%	5.859%	
				Cupric oxide	1317-38-0	17.0%	6.641%	
				Nickel oxide	1313-99-1	16.0%	6.250%	
2	Lead Wire	Copper	0.297	Copper	7440-50-8	100.0%	4.641%	4.69%
		Tin	0.003	Tin	7440-31-5	100.0%	0.047%	
3	Adhesive	Epoxy	0.05	Bisphenol A diglycidyl ether	25068-38-6	51.1%	0.400%	0.78%
				Carbon black	1333-86-4	4.6%	0.036%	
				Silicon dioxide	7631-86-9	44.3%	0.346%	
4	WIRE	COPPER(C11000)	2.8	Copper	7440-50-8	99.95%	43.767%	43.78%
				Misc., not to declare	\	0.05%	0.022%	
		Resin	0.15	Polyurethane	9009-54-5	100.0%	2.305%	2.3%
5	Solder	Tin	0.2	Tin	7440-31-5	99.0%	3.094%	3.13%
				Silver	7440-22-4	0.5%	0.0156%	
				Copper	7440-50-8	0.5%	0.0156%	
6	Tube	Tube	0.35	Polyethylene	9002-88-4	55.0%	3.008%	5.47%
				Magnesium Hydroxide	1309-42-8	38.0%	2.078%	
				Carbon black	1333-86-4	4.0%	0.219%	
				Phosphorous	7723-14-0	3.0%	0.164%	
7	Ink	Ink	0.05	Epoxy	25036-25-3	33.8%	0.264%	0.78%

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				Carbon Black	1333-86-4	16.9%	0.132%	
				Silicone oil	63148-62-9	49.3%	0.385%	
		Total weight	6.4					

This Document was updated on: 2025/08/26

Important remarks:

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