


MATERIAL DECLARATION SHEET



Material Number	5254-RC			
Product Line	Inductor			
Compliance Date	2024-11-04			
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	Ni-Zn ferrite	5.0554	Ferric oxide	1309-37-1	65	24.9464	38.3790
				Zinc oxide	1314-13-2	18	6.9082	
				Cupric oxide	1317-38-0	4.5	1.7271	
				Nickelous oxide	1313-99-1	12.5	4.7974	
2	Pin	C1100(Copper)	0.2914	Copper	7440-50-8	99.95	2.2111	2.2122
		Tin plating	0.0053	Tin	7440-31-5	100	0.0402	
4	Wire	Enamelled wire	7.2035	Copper	7440-50-8	98.38	53.8008	54.6867
				Polyurethane	9009-54-5	1.62	0.8859	
5	Glue	Epoxy resin	0.0102	Epoxy resin	38891-59-7	95	0.0736	0.0774
				Bentonite	1302-78-9	5	0.0039	
6	Vanish	Polyester resin	0.5874	Modified polyester resin	Proprietary	100	4.4594	4.4594
7	Solder	Tin-silver-copper alloy	0.0191	Tin	7440-31-5	96.5	0.1399	0.1450
				Silver	7440-22-4	3	0.0044	
				Copper	7440-50-8	0.5	0.0007	
		Total weight	13.17					

This Document was updated on: 2024-11-04

Important remarks:

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